

## Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	
Candidate Name	
Venue Name	Arwachin Bharti Bhawan Sr.Sec School
Exam Date	27/10/2022
Exam Time	4:00 PM - 5:30 PM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

### Section : Part-A-General Awareness

**Q.1** Which organization has developed and engineered Induct UV-C disinfectant system for HVAC ducts which has wide applications for disinfecting mechanically ventilated indoor spaces with a view to prevent the spread of Covid-19 like viruses, fungi, mold, bacteria etc?

- Ans
- 1. CSIR-IGIB
  - 2. CSIR-CCMB
  - 3. CSIR-IMTECH
  - 4. CSIR-CSIO

Question ID : 26433098842  
Status : Answered  
Chosen Option : 4

**Q.2** Self-respect movement which was started by EV Ramaswamy Naicker is related to which of the following states?

- Ans
- 1. Bihar
  - 2. Karnataka
  - 3. Tamil Nadu
  - 4. Bengal

Question ID : 26433082072  
Status : Answered  
Chosen Option : 3

**Q.3** The tableau of which of the following states showcased its accomplishments in sports during the Republic Day Parade of 2022?

- Ans
- 1. Punjab
  - 2. Haryana
  - 3. Gujarat
  - 4. Meghalaya

Question ID : 26433064673  
Status : Answered  
Chosen Option : 2

**Q.4** According to Koeppen's climatic scheme of India, which type of climate is denoted by Aw?

- Ans
- 1. Polar type
  - 2. Hot desert
  - 3. Tropical savanna
  - 4. Monsoon with dry summer

Question ID : 26433067161  
Status : Answered  
Chosen Option : 4

**Q.5** In which of the following years was the Brahmo Samaj established by Raja Ram Mohan Roy?

- Ans
- 1. 1825
  - 2. 1828
  - 3. 1820
  - 4. 1818

Question ID : 26433065573  
Status : Answered  
Chosen Option : 2

**Q.6** Which of the following Sun temples is built by Raja Bhimdev I of the Solanki dynasty?

- Ans
- 1. Modhera Sun Temple
  - 2. Martand Sun temple
  - 3. Shri Surya Narayana Swami Temple
  - 4. Surya Narayana Temple

Question ID : 26433054170  
Status : Answered  
Chosen Option : 1

**Q.7** As of September 2022, which of the following states has more than 1 Rajya Sabha seat?

- Ans
- 1. Nagaland
  - 2. Meghalaya
  - 3. Mizoram
  - 4. Uttarakhand

Question ID : 26433098494  
Status : Answered  
Chosen Option : 4

**Q.8** When did Government of India launch National Youth Policy (NYP) to cater the needs of youth in India?

- Ans
- 1. 2015
  - 2. 2014
  - 3. 2016
  - 4. 2017

Question ID : 26433081923  
Status : Answered  
Chosen Option : 4

**Q.9 Which of the state is associated with the Kudumbashree, the largest women empowering project in the country?**

- Ans  1. Kerala  
 2. Andhra Pradesh  
 3. Tamil Nadu  
 4. Maharashtra

Question ID : 26433054572  
Status : Answered  
Chosen Option : 2

**Q.10 The Power of Judicial Review was taken from the Constitution of which of the following countries?**

- Ans  1. Ireland  
 2. United Kingdom  
 3. United States of America  
 4. South Africa

Question ID : 26433071648  
Status : Answered  
Chosen Option : 3

**Q.11 Which of the following developed a small electric vehicle in 2021 that can change its width on the go?**

- Ans  1. LUCID motors  
 2. TESLA  
 3. RIVIAN  
 4. City Transformer

Question ID : 26433098839  
Status : Answered  
Chosen Option : 2

**Q.12 Choose the correct pair among the following related to temple architecture.**

- Ans  1. Garbhagriha : Tower  
 2. Shikhara : Huge Gateways  
 3. Mandapa : Place in temple where people could assemble  
 4. Gopuram : Place where the image of the deity is installed

Question ID : 26433054231  
Status : Answered  
Chosen Option : 3

**Q.13 Who succeeded Alivardi Khan as Nawab of Bengal in 1756?**

- Ans  1. Mir Qasim  
 2. Shuja-ud-daula  
 3. Siraj-ud-daula  
 4. Mir Jafar

Question ID : 26433098846  
Status : Answered  
Chosen Option : 3

Q.14 Which of the following policies has revenue and expenditure aspects?

- Ans  1. Monetary Policy  
 2. Trade Policy  
 3. Fiscal Policy  
 4. Welfare Policy

Question ID : 26433054562  
Status : Answered  
Chosen Option : 3

Q.15 वर्ष 2011 की जनगणना के अनुसार भारत का कौन-सा राज्य जनसंख्या प्रतिशत के आधार पर पहले स्थान पर है?

- Ans  1. कर्नाटक  
 2. बिहार  
 3. महाराष्ट्र  
 4. उत्तर प्रदेश

Question ID : 26433067202  
Status : Answered  
Chosen Option : 4

Q.16 Kuchipudi dance form is named after a village, which exists in which of the following district of Andhra Pradesh?

- Ans  1. Kurnool  
 2. Tirupati  
 3. Krishna  
 4. Guntur

Question ID : 26433072626  
Status : Answered  
Chosen Option : 1

Q.17 Which of the following is NOT considered an industrial concession?

- Ans  1. Tax concession  
 2. Tax holiday  
 3. Subsidy to purchase goods and services  
 4. Subsidised power supply

Question ID : 26433054617  
Status : Answered  
Chosen Option : 1

Q.18 Who was the first woman to head a democratic government in Pakistan?

- Ans  1. Khaleda Zia  
 2. Sheikh Hasina  
 3. Halimah Yacob  
 4. Benazir Bhutto

Question ID : 26433098501  
Status : Answered  
Chosen Option : 1

**Q.19 Which Bill does the Major Ports Authorities Bill, 2020 repeal with an aim to provide greater autonomy and flexibility to the major ports and to professionalise their governance?**

- Ans  1. Major Port Trusts Act, 1963  
 2. Major Port Trusts Act, 1947  
 3. Major Port Trusts Act, 1952  
 4. Major Port Trusts Act, 1969

Question ID : 26433072869  
Status : Answered  
Chosen Option : 4

**Q.20 Where is the headquarters of the National Remote Sensing Centre (NRSC) situated?**

- Ans  1. Bengaluru  
 2. Mumbai  
 3. Kolkata  
 4. Hyderabad

Question ID : 26433067158  
Status : Answered  
Chosen Option : 1

Section : Part-B-General Science

**Q.1 Which of the following are fundamental quantities?**

- Ans  1. Length & Time  
 2. Length & Area  
 3. Time & Speed  
 4. Mass & Volume

Question ID : 26433098554  
Status : Answered  
Chosen Option : 1

**Q.2 Which of the following is left in the sodium hydroxide solution after removing the soap?**

- Ans  1. Alcohol  
 2. Glycerol  
 3. Esters  
 4. Phenol

Question ID : 26433098586  
Status : Answered  
Chosen Option : 2

**Q.3 In which year was Newton's masterpiece, Philosophiae Naturalis Principia Mathematica, often simply called the Principia, first published?**

- Ans  1. 1689  
 2. 1680  
 3. 1685  
 4. 1687

Question ID : 26433098551  
Status : Answered  
Chosen Option : 3

Q.4 Universal law of gravitation is relevant for

- Ans  1. None  
 2. Large bodies with infinite mass  
 3. Point masses  
 4. Both A and B

Question ID : 26433098640  
Status : Answered  
Chosen Option : 1

Q.5 What is the melting point of gallium?

- Ans  1. Approximately 304K  
 2. Approximately 301K  
 3. Approximately 303K  
 4. Approximately 302K

Question ID : 26433098608  
Status : Answered  
Chosen Option : 1

Q.6 A large force acting for short time period to produce finite change in momentum is called

- Ans  1. Inertia  
 2. Impulse  
 3. Force  
 4. Pressure

Question ID : 26433098659  
Status : Answered  
Chosen Option : 2

Q.7 What is the density of lead in  $\text{kg m}^{-3}$  if its relative density is 11.3?

- Ans  1. 113000  
 2. 1130  
 3. 11300  
 4. 113

Question ID : 26433098511  
Status : Answered  
Chosen Option : 3

Q.8 The SI unit of resistivity is?

- Ans  1. Ohm m  
 2. Ohm  
 3. Ohm cm  
 4. Ohm  $\text{m}^2$

Question ID : 26433098633  
Status : Answered  
Chosen Option : 1

**Q.9 Identify the incorrect statement from the options given below.**

- Ans  1. Faraday published his results during 1833-34 in the form of the Faraday's three laws of electrolysis.
2. Faraday's second law states that the amounts of different substances liberated by the same quantity of electricity passing through the electrolytic solution are proportional to their chemical equivalent weights
3. Michael Faraday was the first scientist who described the quantitative aspects of electrolysis.
4. Faraday's first law states that the amount of chemical reaction which occurs at any electrode during electrolysis by a current is proportional to the quantity of electricity passed through the electrolyte (solution or melt).

Question ID : 26433098697  
Status : Answered  
Chosen Option : 1

**Q.10 Cetyltrimethylammonium bromide is**

- Ans  1. anionic detergent
2. cationic detergent
3. Insoluble soap
4. Soluble soap

Question ID : 26433098607  
Status : Answered  
Chosen Option : 1

**Q.11 What is the conductivity of Copper in  $S\ m^{-1}$  at 298.15 K?**

- Ans  1.  $4.5 \times 10^3$
2.  $6.2 \times 10^3$
3.  $5.9 \times 10^3$
4.  $2.1 \times 10^3$

Question ID : 26433098567  
Status : Answered  
Chosen Option : 2

**Q.12 Which of the following substances are Diamagnetic?**

- (a)Bismuth  
(b)Lithium  
(c)Diamond  
(d)Calcium  
(e)Mercury

- Ans  1. (b), (c)and (d).
2. (a), (c)and (e).
3. (a), (c)and (d).
4. (e), (c)and (b).

Question ID : 26433098583  
Status : Answered  
Chosen Option : 2

**Q.13 How the conductivity relates with resistivity?**

- Ans  1. Conductivity and resistivity are inverse in relation  
 2. Resistivity is always greater than conductivity  
 3. Resistivity is same as conductivity  
 4. Product of conductivity and resistivity is always 0

Question ID : 26433098600  
Status : Answered  
Chosen Option : 1

**Q.14 Three quantities are needed to specify the magnetic field of the earth on its surface. Which of these is Not among those three quantities?**

- Ans  1. the Vertical component  
 2. the magnetic declination  
 3. the horizontal component  
 4. the magnetic dip

Question ID : 26433098711  
Status : Answered  
Chosen Option : 2

**Q.15 Core of electromagnets is made up of \_\_\_\_\_ material which have high permeability and low retentivity.**

- Ans  1. Copper  
 2. Iron  
 3. Lead  
 4. Aluminum

Question ID : 26433098601  
Status : Answered  
Chosen Option : 1

**Q.16 Name the measurable quantity which is the product of force and time.**

- Ans  1. Impulse  
 2. Angular momentum  
 3. Relative motion  
 4. Inertia

Question ID : 26433098676  
Status : Answered  
Chosen Option : 1



Q.17 There are four statements about elements of oxygen family. Identify the correct statement (s).

(I) The elements of oxygen family have five electrons in the outermost shell and have ns 2 np 3 general electronic configuration.

(II) Due to decrease in the number of shells, atomic and ionic radii decrease from top to bottom in the group.

(III) Selenium and tellurium are also found as metal selenides and tellurides in sulphide ores.

(IV) Polonium occurs in nature as a decay product of thorium and uranium minerals.

Ans  1. I, II and IV

2. II, III and IV

3. I and II

4. III and IV

Question ID : 26433098719

Status : Answered

Chosen Option : 4

Q.18 What is the value of resistivity of carbon (graphite) at 0°C?

Ans  1.  $3.5 \times 10^{-5}$  ohm m

2. 3.5 ohm m

3.  $3.5 \times 10^2$  ohm m

4.  $-3.5 \times 10^5$  ohm m

Question ID : 26433098667

Status : Answered

Chosen Option : 3

Q.19 Fill in the blanks with suitable answers from the options given below:

'In long form of Periodic Table, \_\_\_\_\_ elements of both \_\_\_\_\_ and \_\_\_\_\_ periods (lanthanoids and actinoids, respectively) are placed in separate panels at the bottom.'

Ans  1. 14, 6<sup>th</sup>, 7<sup>th</sup>

2. 14, 5<sup>th</sup>, 6<sup>th</sup>

3. 15, 5<sup>th</sup>, 7<sup>th</sup>

4. 15, 6<sup>th</sup>, 7<sup>th</sup>

Question ID : 26433098694

Status : Answered

Chosen Option : 1

Q.20 Ortho-sulphobenzimide is also known as?

Ans  1. alitame

2. saccharin

3. aspartame

4. sucralose

Question ID : 26433098625

Status : Answered

Chosen Option : 3

Q.21 Which of the following statements is INCORRECT?

- Ans  1. Transparent soaps are made by dissolving the soap in ethanol and then evaporating the excess solvent.
2. Generally sodium soaps are soft to the skin than potassium soaps.
3. Synthetic detergents are mainly classified into three categories.
4. Cetyltrimethylammonium bromide is a popular cationic detergent and is used in hair conditioners.

Question ID : 26433098561  
Status : Answered  
Chosen Option : 3

Q.22 If  $V = (100 \pm 3)V$  and  $I = (10 \pm 0.2)A$ . Find the percentage error in  $R$ ?  
( $R = V / I$ )

- Ans  1. 3.2 %
2. 3 %
3. 5 %
4. 10.2 %

Question ID : 26433098555  
Status : Answered  
Chosen Option : 1

Q.23 \_\_\_\_\_ is zero for a cyclic process.

- Ans  1.  $W$
2.  $\Delta T$
3.  $Q$
4.  $\Delta U$

Question ID : 26433098658  
Status : Answered  
Chosen Option : 1

Q.24 Which of the following is incorrect about Newton's second law of motion?

- Ans  1. The second law of motion  $F = ma$  is applicable to a single point particle.
2. The second law of motion is a scalar law.
3. The second law of motion is a local relation which means that force 'F' at a point in space at a certain instant of time is related to 'a' at that point at that instant.
4. In the second law,  $F = 0$  implies  $a = 0$

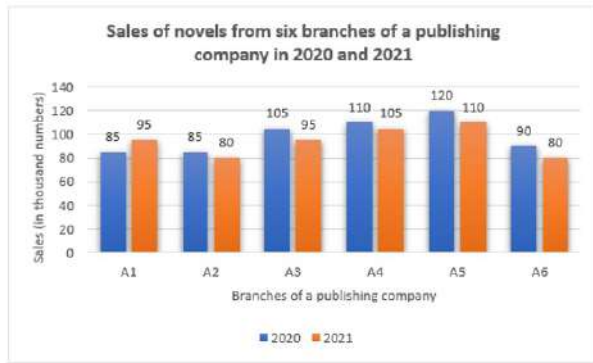
Question ID : 26433098678  
Status : Answered  
Chosen Option : 2

Q.25 Zeroth Law leads to the concept of \_\_\_\_\_

- Ans  1. Volume
2. Temperature
3. Pressure
4. Work done

Question ID : 26433098636  
Status : Answered  
Chosen Option : 2

**Q.1** The following bar graph shows the sales (in thousand numbers) of novels from six different branches of a publishing company in 2020 and 2021.



Answer the following question based on the bar graph:

What is the ratio of the total sales of branch A3 for both years to the total sales of branch A4 for both years?

- Ans
- 1. 43 : 40
  - 2. 40 : 43
  - 3. 23 : 20
  - 4. 20 : 23

Question ID : 26433074469  
Status : Answered  
Chosen Option : 2

**Q.2** Simplify the following expression.

$$8 \left( \frac{0.2 \times 0.2 \times 0.2 + 0.04 \times 0.04 \times 0.04}{0.4 \times 0.4 \times 0.4 + 0.08 \times 0.08 \times 0.08} \right) + 9$$

- Ans
- 1. 8
  - 2. 17
  - 3. 10
  - 4. 1

Question ID : 26433080276  
Status : Answered  
Chosen Option : 3

**Q.3** If  $S = \frac{3}{2} + \frac{5}{4} + \frac{7}{8} + \dots + \frac{2n+1}{2^n} + \dots$ , where  $n = 1, 2, 3, \dots$ , then the value of S is

- Ans
- 1. 5
  - 2. 4
  - 3. 8
  - 4. 6

Question ID : 26433098439  
Status : Answered  
Chosen Option : 3

Q.4 Rohan sells an umbrella to Bhima at a profit of 25%. Bhima sells the same to Sambhu at a profit of 20%. Sambhu sells it to Dharmendra at ₹5,400, thereby earning a profit of 20%. Find the cost price to Rohan.

- Ans
- 1. ₹3,000
  - 2. ₹3,100
  - 3. ₹3,500
  - 4. ₹3,600

Question ID : 26433061729  
Status : Answered  
Chosen Option : 1

Q.5 Simplify:  $(0.\overline{39} + 0.\overline{53} - 0.\overline{27})$

- Ans
- 1.  $0.\overline{64}$
  - 2.  $0.\overline{62}$
  - 3.  $0.\overline{63}$
  - 4.  $0.\overline{65}$

Question ID : 26433080089  
Status : Answered  
Chosen Option : 4

Q.6 If  $\sin\theta = \frac{3}{5}$ ,  $\cos\theta = \frac{4}{5}$ , then find the value of  $\sqrt{\frac{1-\tan^2\theta}{\cot^2\theta-1}}$ .

- Ans
- 1.  $\frac{3}{4}$
  - 2.  $\frac{2}{3}$
  - 3.  $\frac{1}{4}$
  - 4.  $\frac{5}{7}$

Question ID : 26433075263  
Status : Answered  
Chosen Option : 1

Q.7 The present population of a city is 17,500. The population decreases by 12% in the first year and increases by 8% in the second year. Find the population after 2 years.

- Ans
- 1. 16,632
  - 2. 28,500
  - 3. 15,350
  - 4. 21,320

Question ID : 26433063722  
Status : Answered  
Chosen Option : 1

Q.8 Find the ratio between the fourth proportional of 8, 9, 15 and the fourth proportional of 12, 18, 20.

- Ans  1. 9 : 16  
 2. 3 : 4  
 3. 4 : 3  
 4. 5 : 7

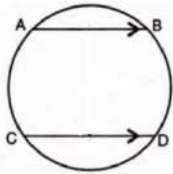
Question ID : 26433061735  
Status : Answered  
Chosen Option : 1

Q.9 A can complete a work in 15 days, and B can complete the same work in 25 days. In how many days will A and B together complete this work?

- Ans  1.  $6\frac{3}{8}$   
 2.  $7\frac{3}{8}$   
 3.  $3\frac{3}{8}$   
 4.  $9\frac{3}{8}$

Question ID : 26433064926  
Status : Answered  
Chosen Option : 4

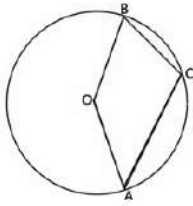
Q.10 In the given figure, the chords AB and CD are parallel and are of 36 cm and 48 cm, respectively. The distance between them is 42 cm. The diameter of the circle is \_\_\_\_\_.



- Ans  1. 82 cm  
 2. 60 cm  
 3. 72 cm  
 4. 90 cm

Question ID : 26433061326  
Status : Answered  
Chosen Option : 2

- Q.11 In the given figure, O is the centre of the circle. If the angles  $\angle AOB$ ,  $\angle OAC$  are, respectively,  $140^\circ$  and  $50^\circ$ , then the value of angle  $\angle BAC$  is \_\_\_\_\_.



- Ans
- 1.  $60^\circ$
  - 2.  $50^\circ$
  - 3.  $30^\circ$
  - 4.  $80^\circ$

Question ID : 26433061327  
Status : Answered  
Chosen Option : 3

- Q.12 मनीषा ने छह अंकों की एक संख्या टाइप की लेकिन उसके द्वारा टाइप किए गए दो 4 नहीं दिख रहे। दिखाई देने वाली संख्या 5005 है। छह अंकों की कितनी भिन्न संख्याएँ हो सकती हैं?

- Ans
- 1. 9
  - 2. 10
  - 3. 15
  - 4. 12

Question ID : 26433098432  
Status : Answered  
Chosen Option : 4

- Q.13 How many different pairs  $(x, y)$  can be formed using the numbers  $\{1, 2, 3, \dots, 43\}$  such that  $x < y$  and the sum of  $x$  and  $y$  is even?

- Ans
- 1. 420
  - 2. 451
  - 3. 441
  - 4. 460

Question ID : 26433098440  
Status : Answered  
Chosen Option : 3

- Q.14 The capacity of a cylindrical tank is 495 litres. If the height is 7 metres, what is the diameter of the base?

- Ans
- 1. 30 cm
  - 2. 40 cm
  - 3. 35 cm
  - 4. 33 cm

Question ID : 26433061289  
Status : Answered  
Chosen Option : 1

Q.15 A sum of money invested at simple interest in a bank amounts to Rs.944 in a period of 3 years, while it amounts to Rs.1,136 in a period of 7 years. What is the rate of interest?

- Ans
- 1. 7%
  - 2. 6%
  - 3. 8%
  - 4. 9%

Question ID : 26433075071  
Status : Answered  
Chosen Option : 2

Q.16 Simplify the following:

$$\frac{2.31 \times 2.31 + 2 \times 2.31 \times 1.69 + 1.69 \times 1.69}{2.31 + 1.69}$$

- Ans
- 1. 4.00
  - 2. 2.00
  - 3. 3.00
  - 4. 5.00

Question ID : 26433061181  
Status : Answered  
Chosen Option : 1

Q.17 In an office, 76% of the number of females is equal to the one-third of the number of males. What is the ratio of number of males to that of the females in the office?

- Ans
- 1. 57 : 25
  - 2. 25 : 57
  - 3. 43 : 19
  - 4. 19 : 43

Question ID : 26433063687  
Status : Answered  
Chosen Option : 1

Q.18 If  $x + \frac{1}{x} = \sqrt{7}$ , then the value of  $x^3 + \frac{1}{x^3}$  is:

- Ans
- 1.  $4\sqrt{7}$
  - 2.  $3\sqrt{7}$
  - 3.  $5\sqrt{7}$
  - 4.  $2\sqrt{7}$

Question ID : 26433098476  
Status : Answered  
Chosen Option : 1

Q.19 A 300-m-long train is running at a speed of 108 km/h. How long will it take to clear a 600-m-long platform?

- Ans
- 1. 20 sec
  - 2. 18 sec
  - 3. 10 sec
  - 4. 30 sec

Question ID : 26433062647  
Status : Answered  
Chosen Option : 4

Q.20 10 litres of petrol costing ₹105/litre is mixed with 15 litres of kerosene costing ₹25/litre. Find the price of the mixture.

- Ans
- 1. ₹57/litre
  - 2. ₹43/litre
  - 3. ₹55/litre
  - 4. ₹35/litre

Question ID : 26433081546  
Status : Answered  
Chosen Option : 1

Q.21 P and Q can complete a work in 20 days and 30 days, respectively. P started the work and Q joined him after 5 days. In how many days will the entire work be completed?

- Ans
- 1. 13
  - 2. 11
  - 3. 14
  - 4. 9

Question ID : 26433064925  
Status : Answered  
Chosen Option : 3

Q.22 Two circles touch each other externally at P. AB is a direct common tangent to the two circles, A and B are the respective points of contact, and  $\angle PAB = 55^\circ$ . The measure of  $\angle ABP$  is:

- Ans
- 1.  $55^\circ$
  - 2.  $110^\circ$
  - 3.  $35^\circ$
  - 4.  $75^\circ$

Question ID : 26433075025  
Status : Answered  
Chosen Option : 3

Q.23 A solid wooden toy is in the shape of a right circular cone mounted on a hemisphere. If the radius of the hemisphere is 5.6 cm and the total height of the toy is 11.6 cm, then what is the volume of the wooden toy (in  $\text{cm}^3$ ) (rounded off to the closest integral value)?

- Ans
- 1. 461
  - 2. 565
  - 3. 368
  - 4. 197

Question ID : 26433073144  
Status : Answered  
Chosen Option : 2

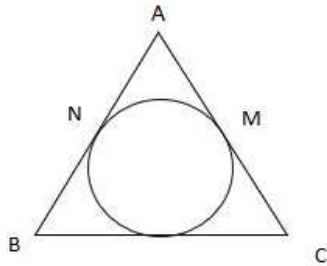


**Q.24** A sewing machine with a marked price of Rs.400 was being sold at a 10% discount for cash payment, and during the stock clearance, a further discount was offered such that the machine is sold at Rs.342. What was the second discount offered?

- Ans
- 1. 8%
  - 2. 5%
  - 3. 2.5%
  - 4. 7.5%

Question ID : 26433063871  
Status : Answered  
Chosen Option : 2

**Q.25** In the following figure,  $AN=7$  cm,  $BN=8$  cm,  $AC=18$  cm. What is the length of  $BC$ ?



- Ans
- 1. 23 cm
  - 2. 17 cm
  - 3. 21 cm
  - 4. 19 cm

Question ID : 26433064947  
Status : Answered  
Chosen Option : 4

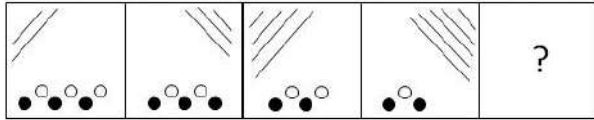
Section : Part-D-Reasoning

**Q.1** In a certain code language, 'SOIL' is written as '220', and 'AIR' is written as '84'. How will 'WATER' be written in that language?

- Ans
- 1. 335
  - 2. 330
  - 3. 340
  - 4. 345

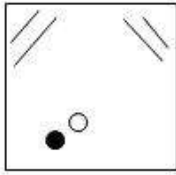
Question ID : 26433055711  
Status : Answered  
Chosen Option : 1

Q.2 Select the figure that will come in place of the question mark (?) in the following figure series.

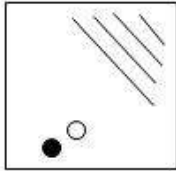


Ans

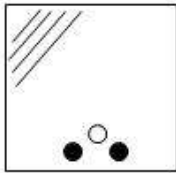
1.



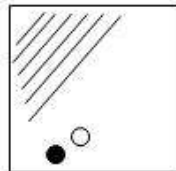
2.



3.



4.



Question ID : 26433056958  
Status : Answered  
Chosen Option : 4

Q.3 Which of the following numbers will replace the question mark (?) in the given series?  
16, 19, 24, 27, 32, ?

Ans  1. 44

2. 35

3. 32

4. 22

Question ID : 26433056431  
Status : Answered  
Chosen Option : 2

Q.4 If A, B, C, D and E denote +, -, ×, ÷ and =, respectively, then which of the following options is correct?

Ans  1. 4A8C6D12E12B4

2. 4A8E6D12C12B4

3. 4A8C6D12E12A4

4. 4A8C6D12E12C4

Question ID : 26433057360  
Status : Answered  
Chosen Option : 1

Q.5 Five friends L, M, N, O, P, each has a different height. L is shorter than M but taller than N. O is shorter than N. P is taller than O. M is taller than P. Who among them is the tallest?

- Ans
- 1. L
  - 2. M
  - 3. N
  - 4. P

Question ID : 26433056546  
Status : Answered  
Chosen Option : 2

Q.6 In a certain code language, 'COW' is written as '123' and 'BEAR' is written as '104'. How will 'TIGER' be written in that language?

- Ans
- 1. 177
  - 2. 295
  - 3. 236
  - 4. 118

Question ID : 26433098348  
Status : Answered  
Chosen Option : 2

Q.7 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.  
 $31*6*19*81*24*3*52$

- Ans
- 1. +, +, =, x, -, +
  - 2. x, +, -, =, x, +
  - 3. +, =, x, -, +, -
  - 4. =, -, x, +, -, +

Question ID : 26433057957  
Status : Answered  
Chosen Option : 2

Q.8 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Cerebral
2. Certificate
3. Certainty
4. Ceramicists
5. Cervicitis
6. Ceremonial

- Ans
- 1. 4, 3, 1, 5, 6, 2
  - 2. 4, 1, 6, 5, 3, 2
  - 3. 4, 1, 6, 3, 2, 5
  - 4. 4, 3, 1, 6, 2, 5

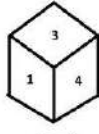
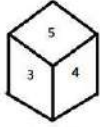
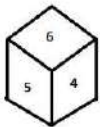
Question ID : 26433098351  
Status : Answered  
Chosen Option : 3

**Q.9** Which letter-cluster will replace the question mark (?) to complete the given series?  
AFRW, EJUZ, ?, MRAF, QVDI

- Ans  1. IMXC  
 2. IMXD  
 3. INXC  
 4. IMYD

Question ID : 26433067953  
Status : Answered  
Chosen Option : 3

**Q.10** 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below.  
Find the number on the face opposite to the one showing '1'.



- Ans  1. 3  
 2. 6  
 3. 5  
 4. 4

Question ID : 26433080724  
Status : Answered  
Chosen Option : 3

**Q.11** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All bottles are chairs.
- Some chairs are glasses.
- Some cups are glasses.

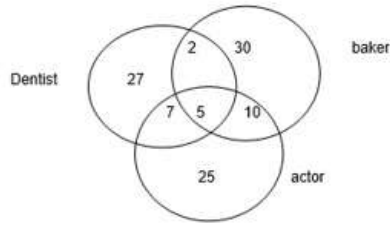
Conclusions:

- I. Some cups are chairs.
- II. Some glasses are bottles.
- III. Some bottles are cups.

- Ans  1. Only conclusion III follows  
 2. Only conclusion II follows  
 3. Only conclusion I follows  
 4. None of the conclusions follow

Question ID : 26433068547  
Status : Answered  
Chosen Option : 4

Q.12 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.

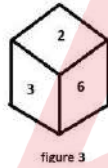
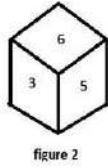
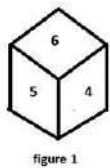


How many actors are bakers but NOT dentists?

- Ans
- 1. 5
  - 2. 10
  - 3. 7
  - 4. 2

Question ID : 26433074652  
Status : Answered  
Chosen Option : 2

Q.13 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below. Find the number on the face opposite to the one showing '2'.



- Ans
- 1. 3
  - 2. 4
  - 3. 1
  - 4. 5

Question ID : 26433080729  
Status : Answered  
Chosen Option : 4

Q.14 A & B का आशय है 'A, B की पत्नी है'।  
A # B का आशय है 'A, B का पिता है'।  
A @ B का आशय है 'A, B का पुत्र है'।  
A % B का आशय है 'A, B का पति है'।  
A+B का आशय है 'A, B की माता है'।  
यदि A & B # C & D @ E % F + G है, तो C का G से क्या संबंध है?

- Ans
- 1. बहन
  - 2. भाभी
  - 3. माता
  - 4. दादी

Question ID : 26433098335  
Status : Answered  
Chosen Option : 2

Q.15 Six students are sitting around a circular table facing the centre. Ajay is sitting second to the left of Nikhil. Nikhil is an immediate neighbour of both Sahil and Mahesh. Daksh is sitting second to the right of Mahesh. Mahesh is an immediate neighbour of both Indu and Nikhil. Who is sitting between Indu and Ajay?

- Ans
- 1. Sahil
  - 2. Nikhil
  - 3. Daksh
  - 4. Mahesh

Question ID : 26433055676

Status : Answered

Chosen Option : 3

Q.16 एक आदमी की ओर इशारा करते हुए गौरव ने कहा, "वह मेरी माँ के पिता की बेटी का भाई है।" वह व्यक्ति गौरव से किस प्रकार संबंधित है?

- Ans
- 1. बहन
  - 2. मामा
  - 3. दामाद
  - 4. बेटा

Question ID : 26433068455

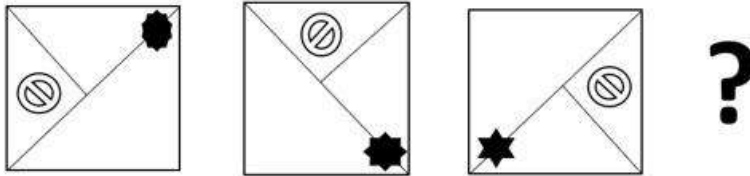
Status : Answered

Chosen Option : 2



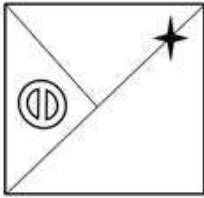
Q.17

Select the figure that will come next in the following figure series.

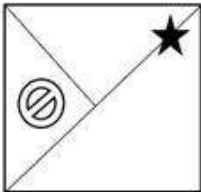


Ans

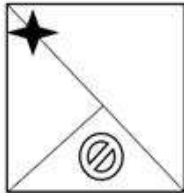
✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 26433056542

Status : Answered

Chosen Option : 4

Q.18 Six students are sitting around a circular table facing the centre. Gyan is sitting second to the left of Tej. Sita is sitting second to the left of Prem. Akshay is an immediate neighbour of both Radha and Tej. Gyan is an immediate neighbour of both Prem and Sita. Who is sitting between Akshay and Sita?

Ans ✗ 1. Tej

✗ 2. Gyan

✗ 3. Prem

✓ 4. Radha

Question ID : 26433055687

Status : Answered

Chosen Option : 4

**Q.19** Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)  
(18, 235, 29)  
(7, 185, 30)

- Ans
- 1. (32, 96, 16)
  - 2. (19, 576, 31)
  - 3. (23, 420, 10)
  - 4. (15, 210, 27)

Question ID : 26433056503  
Status : Answered  
Chosen Option : 4

**Q.20** Which letter-cluster will replace the question mark (?) to complete the given series?  
BMAO, FOBR, ?, NSDX, RUEA

- Ans
- 1. JRCU
  - 2. JQCU
  - 3. JQCV
  - 4. JRCV

Question ID : 26433067954  
Status : Answered  
Chosen Option : 2

Section : Part-E- Computer Fundamentals

**Q.1** The keyboard shortcut in MS-Excel 2010 to preview the worksheet before you print is \_\_\_\_\_.

- Ans
- 1. Shift + F3
  - 2. Ctrl + F2
  - 3. Alt + F2
  - 4. Alt + F3

Question ID : 26433098363  
Status : Answered  
Chosen Option : 2

**Q.2** Which of the following option in MS-Word 2010 is used to remove all the formatting from the selection leaving only unformatted text?

- Ans
- 1. Clear All Formatting
  - 2. Delete All Formatting
  - 3. Clear Selection
  - 4. Remove Selection

Question ID : 26433098414  
Status : Answered  
Chosen Option : 2



Q.3 Which of the following is available under the data tab of MS-Excel 2010?

- Ans
- 1. Filter
  - 2. Save
  - 3. Table
  - 4. Paste

Question ID : 26433098374  
Status : Answered  
Chosen Option : 1

Q.4 Choose the wrong statement about a valid email address.

- Ans
- 1. The domain appears to the left of the @ symbol.
  - 2. The prefix appears to the left of the @ symbol.
  - 3. The domain appears to the right of the @ symbol.
  - 4.

A valid email address consists of an email prefix and an email domain, both in acceptable formats.

Question ID : 26433098386  
Status : Answered  
Chosen Option : 1

Q.5 Which of the following is a small customizable toolbar at the top left corner of the worksheet window that contains a set of frequently used commands in MS-Excel 2010?

- Ans
- 1. Scroll bar
  - 2. Taskbar
  - 3. Status bar
  - 4. Quick Access toolbar

Question ID : 26433098409  
Status : Answered  
Chosen Option : 4

Q.6 Which of the following function of MS-Excel 2010 is used to sort the contents of a range or an array?

- Ans
- 1. Sort
  - 2. Find
  - 3. Add
  - 4. Filter

Question ID : 26433098395  
Status : Answered  
Chosen Option : 4

Q.7 \_\_\_\_\_ is a general domain used worldwide.

- Ans
- 1. .in
  - 2. .com
  - 3. .co.in
  - 4. .ac.in

Question ID : 26433098397  
Status : Answered  
Chosen Option : 2

Q.8 Which of the following icon refers to undo operation in MS-Excel 2010?

Ans



Question ID : 26433098410

Status : Answered

Chosen Option : 2

Q.9 The \_\_\_\_\_ function in MS-Excel 2010 is used to join several text items into one text item cell.

Ans

1. STRING

2. CONCATENATE

3. ADD

4. CON

Question ID : 26433098401

Status : Answered

Chosen Option : 2

Q.10 A \_\_\_\_\_ is a regularly updated website or webpage, typically one run by an individual or small group that is written in an informal or conversational style.

Ans

1. blog

2. WWW

3. website

4. magazine

Question ID : 26433098368

Status : Answered

Chosen Option : 1

## Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone IDZ Greater Noida
Exam Date	27/10/2022
Exam Time	9:00 AM - 10:30 AM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

### Section : Part-A-General Awareness

**Q.1** In the month of September 2022, the Prime Minister Narendra Modi renamed Rajpath as \_\_\_\_\_

- Ans**  1. Kartavya Path  
 2. Amar Jawan Path  
 3. Shahid Path  
 4. Subhash Path

Question ID : 26433098480  
Status : Answered  
Chosen Option : 1

**Q.2** Which of the following is a global coalition launched in July 2020, created to make meaningful climate action faster and easier by independently tracking greenhouse gas (GHG) emissions with unprecedented detail and speed?

- Ans**  1. Climate and Clean Air Coalition  
 2. Climate Trace  
 3. Coalition for Climate Action  
 4. Global Climate Coalition

Question ID : 26433098836  
Status : Answered  
Chosen Option : 1

**Q.3** Which of the following dances is performed by the Korku tribe?

- Ans**  1. Binaki  
 2. Dadra  
 3. Ragini  
 4. Chatkora

Question ID : 26433074075  
Status : Answered  
Chosen Option : 4

Q.4 Who was named as the Chairperson of the Telecom Disputes Settlement and Appellate Tribunal (TDSAT) in March 2022?

- Ans  1. Justice Vipin Sanghi  
 2. Chief Justice Dhirubhai Naranbhai Patel  
 3. Justice Siddharth Mridul  
 4. Justice Manmohan

Question ID : 26433081858  
Status : Answered  
Chosen Option : 2

Q.5 How was the structure of the Great Bath of Mohenjo-daro?

- Ans  1. Square  
 2. Triangle  
 3. Rectangle  
 4. Circle

Question ID : 26433064397  
Status : Answered  
Chosen Option : 1

Q.6 सरकार द्वारा भौतिक या वित्तीय संपत्ति के निर्माण के लिए किए गए व्यय को \_\_\_\_\_ के रूप में जाना जाता है।

- Ans  1. राजस्व व्यय  
 2. पूंजीगत व्यय  
 3. रक्षा व्यय  
 4. सब्सिडी व्यय

Question ID : 26433054563  
Status : Answered  
Chosen Option : 2

Q.7 Which of the following temples is NOT a 'Shakti Peeth'?

- Ans  1. Kamakhya temple  
 2. Kalighat temple  
 3. Kalmadhav temple  
 4. Omkareshwar temple

Question ID : 26433054169  
Status : Answered  
Chosen Option : 3

Q.8 Mool Shanker was the early name of whom among the following social reformers?

- Ans  1. Shiv Dayal Saheb  
 2. Dayanand Saraswati  
 3. Narayana Guru  
 4. Swami Vivekananda

Question ID : 26433081958  
Status : Answered  
Chosen Option : 2

**Q.9 The Fundamental Duties are encapsulated under which Article of the Constitution?**

- Ans  1. Article 51 A  
 2. Article 51 C  
 3. Article 51  
 4. Article 51 B

Question ID : 26433071650  
Status : Answered  
Chosen Option : 1

**Q.10 Which of the following portals was launched by the Ministry of Labour and Employment to bring transparency and accountability to the enforcement of labour laws and ease compliance?**

- Ans  1. Shram Suvidha Portal  
 2. PRAAPTI  
 3. Saubhagya  
 4. E - NAM Portal

Question ID : 26433066603  
Status : Answered  
Chosen Option : 1

**Q.11 Which state has the highest sex ratio in India as per the 2011 Census?**

- Ans  1. Himachal Pradesh  
 2. Tamil Nadu  
 3. Meghalaya  
 4. Kerala

Question ID : 26433067201  
Status : Answered  
Chosen Option : 4

**Q.12 Select the correct pair of festival and its corresponding state from among the following.**

- Ans  1. Pinjore Heritage Festival : Uttar Pradesh  
 2. Kolayat Fair : Bihar  
 3. Desert Festival : Rajasthan  
 4. Kurukshetra Festival : Punjab

Question ID : 26433054218  
Status : Answered  
Chosen Option : 3

**Q.13 Researchers of which country first discovered the "Plastic eating Bacteria" in 2016?**

- Ans  1. Japan  
 2. United States of America  
 3. Germany  
 4. China

Question ID : 26433098829  
Status : Answered  
Chosen Option : 2

Q.14 In which of the Five-Year Plans was 'The Twenty Point Programme' launched?

- Ans
- 1. Seventh Five-Year Plan
  - 2. Fifth Five-Year Plan
  - 3. Sixth Five-Year Plan
  - 4. Eighth Five-Year Plan

Question ID : 26433054600  
Status : Answered  
Chosen Option : 2

Q.15 In 1911, air transport in India began between which two places?

- Ans
- 1. Delhi and Patna
  - 2. Allahabad and Naini
  - 3. Delhi and Mumbai
  - 4. Allahabad and Kanpur

Question ID : 26433067159  
Status : Answered  
Chosen Option : 2

Q.16 Which of the following newspapers in British India was founded by Bal Gangadhar Tilak?

- Ans
- 1. Swadesamitran
  - 2. The Hindu
  - 3. Kesari
  - 4. Indian Mirror

Question ID : 26433065560  
Status : Answered  
Chosen Option : 3

Q.17 Tattvabodhini Sabha was founded in \_\_\_\_\_.

- Ans
- 1. 1866
  - 2. 1839
  - 3. 1875
  - 4. 1822

Question ID : 26433098496  
Status : Answered  
Chosen Option : 1

Q.18 Zainul Abidin was one of most famous rulers of which kingdom in India?

- Ans
- 1. Hyderabad
  - 2. Kashmir
  - 3. Sindh
  - 4. Odisha

Question ID : 26433098830  
Status : Answered  
Chosen Option : 2

Q.19 Which hill is NOT a part of the Meghalaya Plateau from the following?

- Ans
- 1. Garo Hills
  - 2. Nilgiri Hills
  - 3. Jaintia Hills
  - 4. Khasi Hills

Question ID : 26433067162  
Status : Answered  
Chosen Option : 2

Q.20 Which of the following incomes is NOT included in the factor income?

- Ans
- 1. Rent received on property
  - 2. Scholarship of a student
  - 3. Interest payment
  - 4. Wages of labour

Question ID : 26433054583  
Status : Answered  
Chosen Option : 2

Section : Part-B-General Science

Q.1 Which of the following Kepler's laws comes from the observations that planets appear to move slower when they are farther from the sun than when they are nearer?

- Ans
- 1. Law of areas
  - 2. Law of orbits
  - 3. Law of Gravitation
  - 4. Law of Periods

Question ID : 26433098509  
Status : Answered  
Chosen Option : 1

Q.2 What is impulse?

- Ans
- 1.  $I = ma$
  - 2.  $I = mv$
  - 3.  $I = \text{pressure} \times \text{area}$
  - 4.  $I = \text{force} \times \text{time}$

Question ID : 26433098593  
Status : Answered  
Chosen Option : 4

Q.3 What is the conductivity of Gold in  $\text{S m}^{-1}$  at 298.15 K?

- Ans
- 1.  $4.5 \times 10^3$
  - 2.  $2.1 \times 10^3$
  - 3.  $6.2 \times 10^3$
  - 4.  $5.9 \times 10^3$

Question ID : 26433098523  
Status : Answered  
Chosen Option : 1

Q.4 Two resistors of resistances  $R_1 = 50 \pm 3$  ohm and  $R_2 = 100 \pm 4$  ohm are connected in series. Find the equivalent resistance in series?

- Ans
- 1.  $150 \pm 7$  ohm
  - 2.  $150 \pm 1$  ohm
  - 3.  $150 \pm 4/3$  ohm
  - 4.  $150 \pm 4$  ohm

Question ID : 26433098578  
Status : Answered  
Chosen Option : 1

Q.5 Law of octaves was propounded by

- Ans
- 1. John Newlands
  - 2. Johann Dobereiner
  - 3. Ivanovich Mendeleev
  - 4. Henry Moseley

Question ID : 26433098655  
Status : Answered  
Chosen Option : 3

Q.6 Rate of reaction for the equation  $2HI \rightarrow I_2 + H_2$  can be expressed as

- Ans
- 1.  $-\Delta[HI]/\Delta t$
  - 2.  $-\Delta H_2/\Delta t$
  - 3.  $+\Delta HI/\Delta t$
  - 4.  $-1/2\Delta HI/\Delta t$

Question ID : 26433098671  
Status : Answered  
Chosen Option : 3

Q.7 In which year MacDiarmid, Heeger and Shirakawa were awarded the Nobel Prize in Chemistry for the discovery of conducting polymers?

- Ans
- 1. 2002
  - 2. 2000
  - 3. 2006
  - 4. 2004

Question ID : 26433098591  
Status : Answered  
Chosen Option : 4

Q.8 The sweetness value of alitame in comparison to cane sugar is?

- Ans
- 1. 600
  - 2. 100
  - 3. 2000
  - 4. 550

Question ID : 26433098626  
Status : Answered  
Chosen Option : 1



**Q.9** What is the force of attraction due to hollow spherical shell of uniform density, on a point mass placed inside it?

- Ans
- 1. Less than gravitational constant
  - 2. Greater than gravitational constant
  - 3. Equal to gravitational constant
  - 4. Zero

Question ID : 26433098641  
Status : Answered  
Chosen Option : 4

**Q.10** Arrange the following artificial sweeteners in descending order based on its sweetness value?

- (a)Aspartame
- (b)Sucralose
- (c)Alitame
- (d)Saccharin

- Ans
- 1. (b), (d), (c) and (a).
  - 2. (d), (b), (a) and (c).
  - 3. (a), (d), (b) and (c).
  - 4. (c), (b), (d) and (a).

Question ID : 26433098587  
Status : Answered  
Chosen Option : 2

**Q.11** The resistance R of a conductor does not depend on

- Ans
- 1. potential difference
  - 2. Pressure
  - 3. material of the conductor
  - 4. dimensions of the conductor

Question ID : 26433098599  
Status : Answered  
Chosen Option : 2

**Q.12** Which of the following is NOT a fundamental or base units?

- Ans
- 1. Volume
  - 2. Time
  - 3. Mass
  - 4. Length

Question ID : 26433098510  
Status : Answered  
Chosen Option : 1

**Q.13** Identify the INCORRECT statement from the options given below.

- Ans
- 1. Metals and their alloys have very large conductivity and are known as conductors.
  - 2. Substances like glass, ceramics, etc., having very low conductivity are known as insulators.
  - 3. Electrical conductance through metals is called metallic or electronic conductance and is due to the movement of electrons.
  - 4. Certain materials called semiconductors by definition have zero resistivity or infinite conductivity.

Question ID : 26433098721  
Status : Answered  
Chosen Option : 4

Q.14 Which of the following sweetening agent excreted from body in urine unchanged?

- Ans
- 1. sucralose
  - 2. alitame
  - 3. aspartame
  - 4. saccharin

Question ID : 26433098627  
Status : Answered  
Chosen Option : 1

Q.15 Rate of reaction DOES NOT depend on

- Ans
- 1. Concentration
  - 2. Temperature
  - 3. Catalyst
  - 4. Pressure

Question ID : 26433098654  
Status : Answered  
Chosen Option : 4

Q.16 Number of significant figures in 3.700 are

- Ans
- 1. 1
  - 2. 4
  - 3. 2
  - 4. 3

Question ID : 26433098619  
Status : Answered  
Chosen Option : 3

Q.17 In second law of motion  $F=ma$ , F stands for

- Ans
- 1. Internal force on body
  - 2. External force on body
  - 3. Net external force on body
  - 4. Net internal force on body

Question ID : 26433098638  
Status : Answered  
Chosen Option : 2

Q.18 Which of the following colour code represents number zero on a resistor?

- Ans
- 1. Black
  - 2. Red
  - 3. Brown
  - 4. Orange

Question ID : 26433098579  
Status : Answered  
Chosen Option : 1

Q.19 Which of the following statements is INCORRECT?

- Ans  1. There is a repulsive force when north poles (or south poles) of two magnets are brought close together.
2. If a bar magnet is broken into two halves, we get two similar bar magnets with stronger properties.
3. The earth behaves as a magnet with the magnetic field pointing approximately from the geographic south to the north.
4. When a bar magnet is freely suspended, it points in the north-south direction.

Question ID : 26433098535  
Status : Answered  
Chosen Option : 1

Q.20  $\Delta Q = \Delta U + \Delta W$  is equation for \_\_\_\_\_

- Ans  1. Zeroth Law of Thermodynamics
2. Third Law of Thermodynamics
3. Second Law of Thermodynamics
4. First Law of Thermodynamics

Question ID : 26433098675  
Status : Answered  
Chosen Option : 3

Q.21 The dimensions of \_\_\_\_\_ is  $[MLT^{-2}]$ .

- Ans  1. Force, Kinetic friction and Static friction.
2. Kinetic friction, impulse and Momentum
3. Force, impulse and Momentum
4. Force, impulse and Static friction

Question ID : 26433098550  
Status : Answered  
Chosen Option : 1

Q.22 Which of the following statements are CORRECT about soap?  
(I) Transparent soaps are made by dissolving the soap in ethanol and then evaporating the excess solvent.  
(II) Shaving soaps contain sodium rosinate to prevent rapid drying.  
(III) Dye does not absorb evenly on cloth washed with soap using hard water, because of insoluble gummy precipitate.

- Ans  1. I and II
2. I and III
3. II and III
4. I, II and III

Question ID : 26433098692  
Status : Answered  
Chosen Option : 4

Q.23 Substances which have tendency to move from stronger to the weaker part of the external magnetic field are called \_\_\_\_\_,

- Ans  1. Diamagnetic
2. Monomagnetic
3. Ferromagnetic
4. Paramagnetic

Question ID : 26433098516  
Status : Answered  
Chosen Option : 3

Q.24 Arrange the following elements in ascending order according to its molar specific heat?

- (a) Carbon
- (b) Silver
- (c) Lead
- (d) Aluminium

- Ans
- 1. (c), (b), (d) & (a)
  - 2. (d), (a), (b) & (c)
  - 3. (a), (d), (b) & (c)
  - 4. (b), (d), (c) & (a)

Question ID : 26433098571  
Status : Answered  
Chosen Option : 4

Q.25 The strength of the earth's magnetic field varies from place to place on the earth's surface; its value being of the order of \_\_\_\_\_.

- Ans
- 1.  $10^{-2}$  T
  - 2.  $10^{-3}$  T
  - 3.  $10^{-4}$  T.
  - 4.  $10^{-5}$  T

Question ID : 26433098533  
Status : Answered  
Chosen Option : 2

Section : Part-C-Mathematics

Q.1 If  $\sin(x) = \frac{2}{5}$  and x is an acute angle, find the exact values of  $\cos(4x) - \cos(2x)$ .

- Ans
- 1.  $\frac{625}{32}$
  - 2.  $-\frac{472}{625}$
  - 3.  $-\frac{427}{625}$
  - 4.  $-\frac{472}{25}$

Question ID : 26433075262  
Status : Answered  
Chosen Option : 2

Q.2 A company offers the following:  
I. Successive discounts of 25% and 5%  
II Successive discounts of 20% and 10%  
III Successive discounts of 22% and 8%  
Which offer is the best for a customer?

- Ans
- 1. III
  - 2. All are equally good
  - 3. II
  - 4. I

Question ID : 26433063936  
Status : Answered  
Chosen Option : 4

Q.3 If the radii of two circles be 8 cm and 6 cm and the length of the transverse common tangent be 14 cm, then the distance between the two centres is:

- Ans
- 1.  $8\sqrt{3}$  cm
  - 2.  $16\sqrt{3}$  cm
  - 3.  $28\sqrt{2}$  cm
  - 4.  $14\sqrt{2}$  cm

Question ID : 26433075403  
Status : Answered  
Chosen Option : 4

Q.4 If  $(10)^{-x} = \frac{1}{3}$ , what is the value of  $(10)^{2x}$  ?

- Ans
- 1. 81
  - 2. 9
  - 3.  $\frac{1}{81}$
  - 4.  $\frac{1}{9}$

Question ID : 26433098474  
Status : Answered  
Chosen Option : 2

Q.5 A policeman follows a thief 1800 metres ahead of him. If the policeman and the thief run at a speed of 12 km/h and 9 km/h, respectively, how much distance thief will cover from spotting point (1800 meters ahead to policeman) before catch by policeman?

- Ans
- 1. 5600 metres
  - 2. 6000 metres
  - 3. 4200 metres
  - 4. 5400 metres

Question ID : 26433061431  
Status : Answered  
Chosen Option : 4

Q.6 For a certain sum, the amount received after 2 years at 18% p.a. simple interest is Rs.1,100 less than the simple interest on the same sum for 10 years at the same rate. The sum (in Rs.) is:

- Ans
- 1. Rs.2,400
  - 2. Rs.2,300
  - 3. Rs.2,500
  - 4. Rs.2,200

Question ID : 26433075195  
Status : Answered  
Chosen Option : 1

Q.7 Simplify the following:

$$\frac{2.05 \times 2.05 - 3.23 \times 3.23}{2.05 + 3.23}$$

- Ans
- 1. -3.18
  - 2. -1.18
  - 3. 5.28
  - 4. 1.18

Question ID : 26433061180  
Status : Answered  
Chosen Option : 2

Q.8 When the price of an article was reduced by 20%, its sale increased by 80%. What was the net effect on the revenue?

- Ans
- 1. Decreased by 21%
  - 2. Increased by 21%
  - 3. Increased by 44%
  - 4. Decreased by 44%

Question ID : 26433063922  
Status : Answered  
Chosen Option : 3

Q.9 Two years ago, population of a city was 15,62,500. The population increased by 4% in the first year and decreased by 4% in the second year. Find the present population

- Ans
- 1. 15,60,000
  - 2. 15,61,000
  - 3. 15,63,000
  - 4. 15,62,000

Question ID : 26433063419  
Status : Answered  
Chosen Option : 1

Q.10 Find the value of z in  $(z \times 21\% \text{ of } 210) \div (17\% \text{ of } 170) = 3050 \div z$

- Ans
- 1. 18.4
  - 2. 44.7
  - 3. 22.1
  - 4. 33.1

Question ID : 26433058901  
Status : Answered  
Chosen Option : 3

Q.11 What is mean proportion between 361 and 144?

- Ans
- 1. 121
  - 2. 264
  - 3. 288
  - 4. 228

Question ID : 26433061896  
Status : Answered  
Chosen Option : 2

**Q.12** The sum of the first six terms of an arithmetic progression is 54 and the ratio of its 10<sup>th</sup> term to its 30<sup>th</sup> term is 11 : 31.  
What is the sum of its first 15 terms?

- Ans
- 1. 260
  - 2. 278
  - 3. 268
  - 4. 270

Question ID : 26433098467  
Status : Answered  
Chosen Option : 3

**Q.13** P and Q together can finish a piece of work in 4 days. If P alone can finish the work in 12 days, then what are the number of days required for Q alone to finish the work?

- Ans
- 1. 4 days
  - 2. 6 days
  - 3. 5 days
  - 4. 8 days

Question ID : 26433064032  
Status : Answered  
Chosen Option : 2

**Q.14** A shopkeeper professes to sell his goods at the cost price, but he uses false weights with which he cheats by 10% while buying and by 15% while selling. His overall percentage of profit or loss is:

- Ans
- 1. 5%
  - 2. 27.7%
  - 3. 22.72%
  - 4. 25%

Question ID : 26433061598  
Status : Answered  
Chosen Option : 2

**Q.15** The average runs made by a batsman in 10 innings of cricket was 43. How many runs does he have to make in the next inning so that the average of his runs increases by 3?

- Ans
- 1. 83
  - 2. 76
  - 3. 78
  - 4. 91

Question ID : 26433081541  
Status : Answered  
Chosen Option : 2

Q.16 The length (in cm) of the transverse common tangent to two circles of radii 2 cm and 5 cm, the centre of the circles being 8 cm apart, is:

- Ans
- 1.  $\sqrt{7}$
  - 2.  $\sqrt{15}$
  - 3. 15
  - 4. 1

Question ID : 26433061603  
Status : Answered  
Chosen Option : 2

Q.17 A, B & C can all together do a piece of work in 20 days, in which B takes 4 times as long as A & C to do the work and C takes 3 times as long as A & B together take to do the work. In how many days B can alone do the work?

- Ans
- 1. 120 days
  - 2. 80 days
  - 3. 90 days
  - 4. 100 days

Question ID : 26433066376  
Status : Answered  
Chosen Option : 4

Q.18 Simplify:  $15\frac{3}{4} - 6\frac{4}{5} + 4\frac{25}{3}$

- Ans
- 1.  $\frac{1177}{60}$
  - 2.  $\frac{1077}{60}$
  - 3.  $\frac{1377}{60}$
  - 4.  $\frac{1277}{60}$

Question ID : 26433080090  
Status : Answered  
Chosen Option : 4

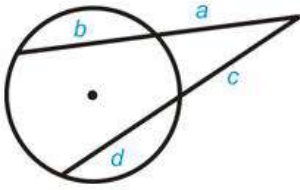
Q.19 If the base of an equilateral triangle is 8 cm, then find its area.

- Ans
- 1.  $8\sqrt{2} \text{ cm}^2$
  - 2.  $16\sqrt{3} \text{ cm}^2$
  - 3.  $16\sqrt{2} \text{ cm}^2$
  - 4.  $8\sqrt{3} \text{ cm}^2$

Question ID : 26433076219  
Status : Answered  
Chosen Option : 2



- Q.20 Find the value of  $x$  in the following diagram, where both the lines represent chords of the circle, and the point denotes the centre of circle. Also given that  $a=b=x$  and  $c=36$  and  $d=14$ .



- Ans  1. 30  
 2. 36  
 3. 50  
 4. 14

Question ID : 26433061602  
Status : Answered  
Chosen Option : 1

- Q.21 What is the area (in square units) of the triangle formed by the graphs of the equations:  $2x - y + 8 = 0$  and  $8x + 3y - 24 = 0$ , and  $y = 0$ ?

- Ans  1. 28  
 2. 24  
 3. 36  
 4. 32

Question ID : 26433098429  
Status : Answered  
Chosen Option : 4

- Q.22 The point of intersection of the graphs of the equations  $147x - 231y = 525$  and  $77x - 49y = 203$ , lies on the graph on the equation:

- Ans  1.  $9x - 5y = 23$   
 2.  $4x + 5y = 13$   
 3.  $5x - 4y = 6$   
 4.  $5x - 9y = 17$

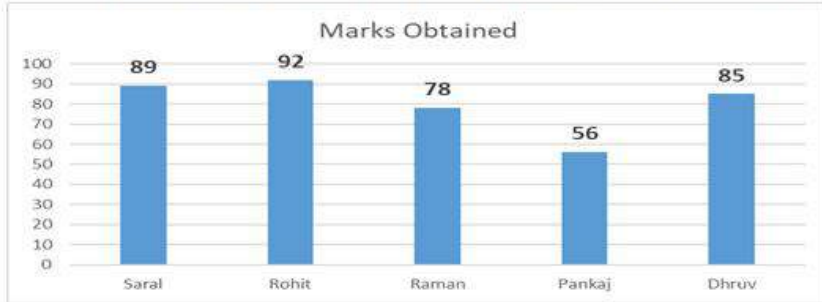
Question ID : 26433098453  
Status : Answered  
Chosen Option : 4

- Q.23 A vessel is in the form of a hollow hemisphere mounted by a hollow cylinder. The diameter of the hemisphere is 14cm and the total height of the vessel is 13cm. What is the inner surface area of the vessel?

- Ans  1.  $172 \text{ cm}^2$   
 2.  $572 \text{ cm}^2$   
 3.  $372 \text{ cm}^2$   
 4.  $772 \text{ cm}^2$

Question ID : 26433073143  
Status : Answered  
Chosen Option : 2

Q.24 From the given figure, what is the average marks scored by the students?



- Ans
- 1. 85
  - 2. 78
  - 3. 89
  - 4. 80

Question ID : 26433074569

Status : Answered

Chosen Option : 2

Q.25 What is the total surface area of a cone with diameter of 42 cm and height of 20 cm?

- Ans
- 1.  $3600 \text{ cm}^2$
  - 2.  $3900 \text{ cm}^2$
  - 3.  $3000 \text{ cm}^2$
  - 4.  $3300 \text{ cm}^2$

Question ID : 26433061322

Status : Answered

Chosen Option : 1

Section : Part-D-Reasoning

Q.1 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many people who are Chefs and Waiters are NOT from Australia?

- Ans
- 1. 70
  - 2. 60
  - 3. 150
  - 4. 115

Question ID : 26433074654

Status : Answered

Chosen Option : 2

Q.2 In a certain code language, 'SWING' is written as '68' and 'SWITCH' is written as '86'. How will 'BOARD' be written in that language?

- Ans  1. 100  
 2. 106  
 3. 69  
 4. 95

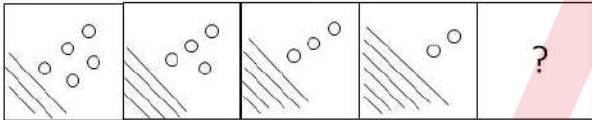
Question ID : 26433098340  
Status : Answered  
Chosen Option : 1

Q.3 तस्वीर में दिख रहे एक व्यक्ति की ओर इशारा करते हुए गोपी ने कहा, "वह मेरी माँ के पिता का इकलौता पुत्र है।" तस्वीर में दिख रहा व्यक्ति गोपी से किस प्रकार संबंधित है?

- Ans  1. भाई  
 2. पुत्र  
 3. पिता  
 4. मामा

Question ID : 26433068450  
Status : Answered  
Chosen Option : 4

Q.4 Select the figure that will come in place of the question mark (?) in the following figure series.

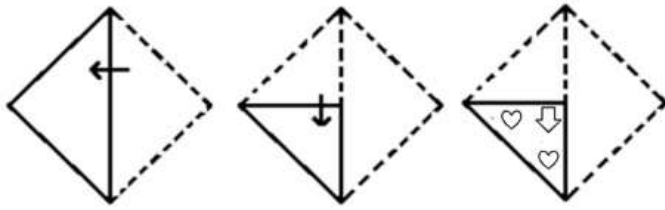


Ans

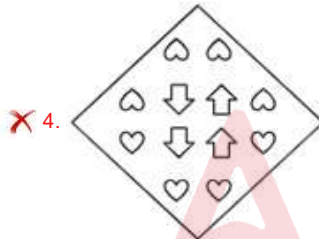
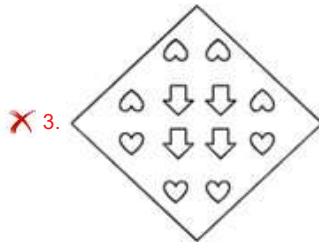
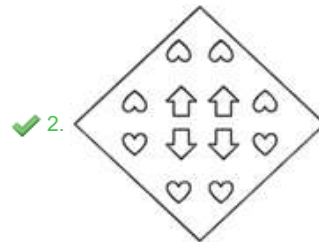
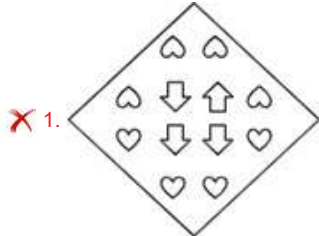
- 1.
- 2.
- 3.
- 4.

Question ID : 26433056954  
Status : Answered  
Chosen Option : 2

Q.5 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 26433080548

Status : Answered

Chosen Option : 2

Q.6 F, G, H, I, J, and K are six people of different heights. F is the Tallest one. G is taller than H, who is shorter than I, J is shorter than H but taller than K. Who is the shortest one?

Ans ✗ 1. J

✗ 2. I

✓ 3. K

✗ 4. G

Question ID : 26433068081

Status : Answered

Chosen Option : 3

Q.7 A # B means 'A is the brother of B'.  
A @ B means 'A is the daughter of B'.  
A & B means 'A is the wife of B'.  
If L & M # N @ A & B # C, then how is L related to C?

- Ans
- 1. Daughter
  - 2. Sister
  - 3. Mother
  - 4. Daughter -in-law

Question ID : 26433098339  
Status : Answered  
Chosen Option : 4

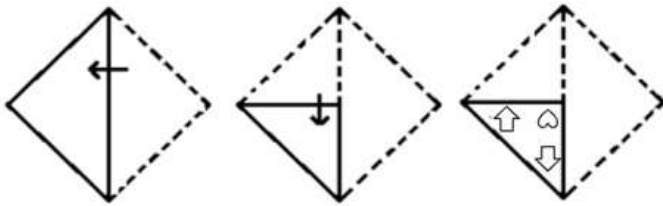
Q.8 Which of the following numbers will replace the question mark (?) in the given series?  
2, 3, 6, 18, ?, 1944

- Ans
- 1. 90
  - 2. 200
  - 3. 100
  - 4. 108

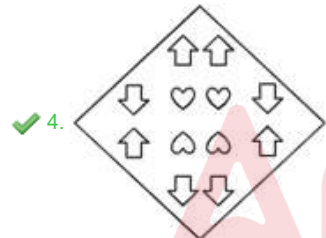
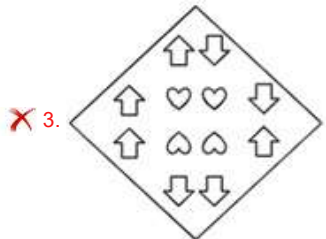
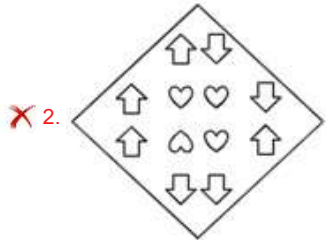
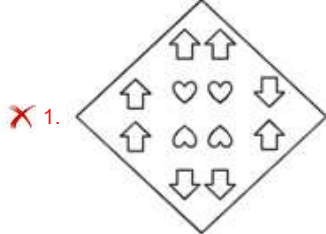
Question ID : 26433056434  
Status : Answered  
Chosen Option : 4



Q.9 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 26433080550

Status : Answered

Chosen Option : 4

Q.10 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)  
 (428, 377, 51)  
 (679, 458, 221)

Ans ✗ 1. (321, 270, 45)

✗ 2. (728, 569, 160)

✗ 3. (237, 86, 194)

✓ 4. (1236, 788, 448)

Question ID : 26433056501

Status : Answered

Chosen Option : 4

Q.11 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.

$$87 * (27 * 3) * 91 * 22 * (378 * 6)$$

- Ans
- 1. +, -, +, -, =, ×
  - 2. +, -, +, +, ×, =
  - 3. -, ×, =, -, -, +
  - 4. ×, +, -, =, -, +

Question ID : 26433057646

Status : Answered

Chosen Option : 3

Q.12 Six students are sitting around a circular table facing the centre. Haider is sitting second to the left of Amit. Pawan is sitting second to the right of Amit. Siya is sitting second to the left of Ravi. Amit is an immediate neighbour of both Siya and Ravi. Who is sitting between Zoya and Ravi?

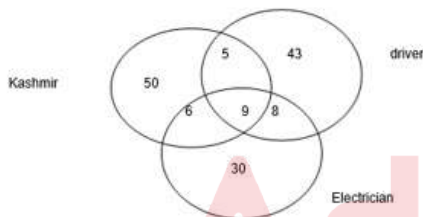
- Ans
- 1. Haider
  - 2. Siya
  - 3. Pawan
  - 4. Amit

Question ID : 26433055685

Status : Answered

Chosen Option : 3

Q.13 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many drivers are from Kashmir but are NOT Electricians?

- Ans
- 1. 6
  - 2. 8
  - 3. 5
  - 4. 9

Question ID : 26433074653

Status : Answered

Chosen Option : 3

Q.14 Which letter-cluster will replace the question mark (?) to complete the given series?  
DOAW, ALDY, ?, UFJC, RCME

- Ans
- 1. XJVQ
  - 2. XIGA
  - 3. XJVR
  - 4. XJUQ

Question ID : 26433067959

Status : Answered

Chosen Option : 2

Q.15 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Fontina
2. Fondue
3. Fondled
4. Fondant
5. Fontanel
6. Fonder

- Ans
- 1. 6, 4, 3, 2, 5, 1
  - 2. 6, 3, 4, 5, 1, 2
  - 3. 4, 6, 3, 5, 1, 2
  - 4. 4, 6, 3, 2, 5, 1

Question ID : 26433098356

Status : Answered

Chosen Option : 4

Q.16 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.  
 $39*12*6*18*72*8*60$

- Ans
- 1. =, x, +, +, +, -
  - 2. x, -, =, +, +, -
  - 3. +, +, =, -, x, +
  - 4. +, x, -, =, +, x

Question ID : 26433057956

Status : Answered

Chosen Option : 1

Q.17 In a certain code language, 'NUMBER' is written as '95' and 'CURRENT' is written as '97'. How will 'MEASURE' be written in that language?

- Ans
- 1. 121
  - 2. 114
  - 3. 118
  - 4. 107

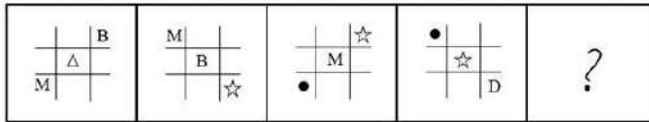
Question ID : 26433098341

Status : Answered

Chosen Option : 2

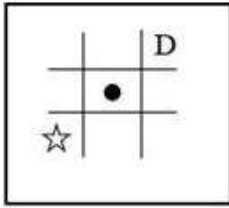


Q.18 Select the figure from among the given options that can replace the question mark (?) in the following series.

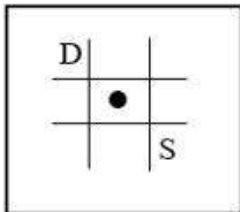


Ans

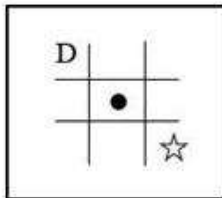
✗ 1.



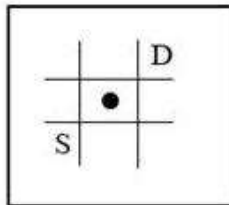
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433056825

Status : Answered

Chosen Option : 4

Q.19 Seven people, A, B, C, D, E, F and G are sitting in a straight row, facing the north. Only two people sit to the right of D. Only two people sit to the left of C. Only two people sit between D and G. Only three people sit between C and E. A is not an immediate neighbour of D. B sits to the right of D. Who sits at the extreme right?

Ans ✓ 1. E

✗ 2. A

✗ 3. G

✗ 4. B

Question ID : 26433055900

Status : Answered

Chosen Option : 1

**Q.20** Which letter-cluster will replace the question mark (?) to complete the given series?  
BFKV, FJOZ, ?, NRW, RVAL

- Ans
- 1. JMTD
  - 2. JNSD
  - 3. JMRD
  - 4. JMSD

Question ID : 26433067952  
Status : Answered  
Chosen Option : 2

Section : Part-E- Computer Fundamentals

**Q.1** Which of the following option of Draw Borders group in Design tab of Table Tools is used to remove specific border in a table to create merged cells in MS-Word 2010?

- Ans
- 1. Merge Cells
  - 2. Delete
  - 3. Split Cells
  - 4. Eraser

Question ID : 26433098423  
Status : Answered  
Chosen Option : 1

**Q.2** Which of the following is a valid email id?

- Ans
- 1. abc@gmail@com
  - 2. abc@gmail.com
  - 3. Abc.gmail@com
  - 4. abc.gmail.com

Question ID : 26433098396  
Status : Answered  
Chosen Option : 2

**Q.3** In MS-Excel 2010, \_\_\_\_\_ is a tool that applies formatting to your data depending on the conditions you specify.

- Ans
- 1. Format
  - 2. Conditional formatting
  - 3. Find
  - 4. Cut

Question ID : 26433098385  
Status : Answered  
Chosen Option : 2

**Q.4** In MS-Word 2010, \_\_\_\_\_ is used to adjust all the printing settings correctly so the print is accurate and contains all the content you need without distortions, cuts or lost formatting.

- Ans**
- 1. Print Purview
  - 2. Print Review
  - 3. Print Balance
  - 4. Print Preview

Question ID : 26433098403  
Status : Answered  
Chosen Option : 4

**Q.5** \_\_\_\_\_ is an example for web browser.

- Ans**
- 1. Sheets
  - 2. Twitter
  - 3. Gmail
  - 4. Chrome

Question ID : 26433098408  
Status : Answered  
Chosen Option : 4

**Q.6** Which of the following shows the address of the current selection or active cell in MS-Excel 2010?

- Ans**
- 1. Formula bar
  - 2. Column headings
  - 3. Row headings
  - 4. Name box

Question ID : 26433098419  
Status : Answered  
Chosen Option : 1

**Q.7** Which of the following option is used to specify number of prints required in Print option in MS-Word 2010?

- Ans**
- 1. Page Size
  - 2. Collated
  - 3. Orientation
  - 4. Copies

Question ID : 26433098422  
Status : Answered  
Chosen Option : 4

**Q.8** WWW stands for :

- Ans**
- 1. World Web Wide
  - 2. World Wide Web
  - 3. World Word Web
  - 4. Web Wide World

Question ID : 26433098377  
Status : Answered  
Chosen Option : 2

**Q.9** In MS-Excel 2010, which of the following shortcut is used to display the create table dialog box?

- Ans**
- 1. Alt + Ctrl + T
  - 2. Shift + T
  - 3. Alt + Shift + T
  - 4. Ctrl + T

Question ID : 26433098372  
Status : Answered  
Chosen Option : 1

**Q.10** In MS-Excel 2010, which of the following option in File tab is used to open a workbook which has to be created?

- Ans**
- 1. Open
  - 2. New
  - 3. Save
  - 4. Save As

Question ID : 26433098383  
Status : Answered  
Chosen Option : 2



## Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	
Candidate Name	
Venue Name	Cosmo Foundation
Exam Date	27/10/2022
Exam Time	12:30 PM - 2:00 PM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

### Section : Part-A-General Awareness

**Q.1** According to Niti Aayog's Multidimensional Poverty Index (MPI) 2021, which state of India has the lowest percentage of population below poverty line?

- Ans
- 1. Goa
  - 2. Tamil Nadu
  - 3. Kerala
  - 4. Punjab

Question ID : 26433081922  
Status : Answered  
Chosen Option : 3

**Q.2** Which of the following statements is NOT true about Stupa?

- Ans
- 1. It means 'mound', whether round and tall, big and small
  - 2. This may contain things used by the Buddha or his followers
  - 3. This may contain bodily remains of the Buddha or his followers
  - 4. It is a holy place related with Jainism

Question ID : 26433054226  
Status : Answered  
Chosen Option : 4

**Q.3** Which training platform developed in 2018 by trauma surgeon Dr. Alex Young provided remote educational programmes around the world skills like the right way to wear personal protective equipment, administer treatment or ventilate a patient during COVID-19?

- Ans
- 1. VIRTU
  - 2. DOCEBO
  - 3. CARM
  - 4. 360 learning

Question ID : 26433098833  
Status : Answered  
Chosen Option : 4

Q.4 भारतीय संविधान का कौन सा अनुच्छेद गिरफ्तार किए गए या हिरासत में लिए गए व्यक्तियों को संरक्षण प्रदान करता है?

- Ans
- 1. अनुच्छेद 21
  - 2. अनुच्छेद 22
  - 3. अनुच्छेद 23
  - 4. अनुच्छेद 20

Question ID : 26433064706  
Status : Answered  
Chosen Option : 1

Q.5 निम्नलिखित में से किस भारतीय शास्त्रीय नृत्य को 'एकाहार्य' के रूप में जाना जाता है?

- Ans
- 1. कथक
  - 2. कथकली
  - 3. मणिपुरी
  - 4. भरतनाट्यम

Question ID : 26433072625  
Status : Answered  
Chosen Option : 3

Q.6 Which of the following leaders declared the creation of the People's Republic of China (PRC) in 1949?

- Ans
- 1. Mao Zedong
  - 2. Yang Shangkun
  - 3. Liu Shaoqi
  - 4. Xi Jinping

Question ID : 26433098487  
Status : Answered  
Chosen Option : 2

Q.7 निम्नलिखित में से किसे इंडिया टुडे द्वारा जनवरी 2022 में सबसे लोकप्रिय मुख्यमंत्री के रूप में चुना गया है?

- Ans
- 1. अरविंद केजरीवाल
  - 2. नवीन पटनायक
  - 3. ममता बनर्जी
  - 4. योगी आदित्यनाथ

Question ID : 26433074172  
Status : Answered  
Chosen Option : 1

Q.8 What is a transfer income?

- Ans
- 1. Earned income
  - 2. Public income
  - 3. Disposable income
  - 4. Unearned income

Question ID : 26433054582  
Status : Answered  
Chosen Option : 4

Q.9 Which of the following two rivers make 'estuaries'?

- a) Narmada
- b) Krishna
- c) Cauvery
- d) Tapi

Ans  1. b - c  
 2. d - a  
 3. c - d  
 4. a - b

Question ID : 26433066595

Status : Answered

Chosen Option : 4

Q.10 भूमि उपयोग अभिलेख (भारत में) \_\_\_\_\_ द्वारा तैयार किए जाते हैं।

Ans  1. भू-राजस्व विभाग  
 2. गृह मंत्रालय  
 3. कृषि विभाग  
 4. ग्रामीण विकास मंत्रालय

Question ID : 26433069783

Status : Answered

Chosen Option : 1

Q.11 Which of the following is NOT a part of the Green Revolution?

Ans  1. Use of chemical fertilisers  
 2. Abolition of intermediaries  
 3. Use of multiple cropping  
 4. Mechanised means of cultivation

Question ID : 26433054635

Status : Answered

Chosen Option : 2

Q.12 The National population register was created under the provision of \_\_\_\_\_ and \_\_\_\_\_.

- a) Citizen Act 1965
- b) Citizenship Rules 2004
- c) Citizenship Act 1955
- d) Citizenship Rules 2003

Ans  1. a - b  
 2. a - c  
 3. c - d  
 4. b - d

Question ID : 26433066596

Status : Answered

Chosen Option : 2

Q.13 From which of the following countries the Asia Cup 2022 was shifted out to the United Arab Emirates?

- Ans
- 1. India
  - 2. Sri Lanka
  - 3. Bangladesh
  - 4. Pakistan

Question ID : 26433098491  
Status : Answered  
Chosen Option : 2

Q.14 Which of the following is a religious festival?

- Ans
- 1. Gangaur
  - 2. Children's Day
  - 3. Camel Festival
  - 4. Teachers' Day

Question ID : 26433054221  
Status : Answered  
Chosen Option : 1

Q.15 जब सरकार उत्पादन इकाइयों को सरकार द्वारा निर्धारित कम कीमतों पर अपने उत्पाद बेचने के लिए वित्तीय सहायता देती है, तो इसे क्या कहा जाता है?

- Ans
- 1. कर में छूट
  - 2. न्यूनतम समर्थन मूल्य
  - 3. सब्सिडी
  - 4. छूट

Question ID : 26433054584  
Status : Answered  
Chosen Option : 3

Q.16 In the month of September 2022, the Prime Minister of which of the following countries visited the dargah of Khwaja Moinuddin Chisti at Ajmer?

- Ans
- 1. Egypt
  - 2. Bangladesh
  - 3. Turkey
  - 4. Pakistan

Question ID : 26433098481  
Status : Answered  
Chosen Option : 1

Q.17 Which state celebrated the 44<sup>th</sup> Kokborok Day?

- Ans
- 1. Tripura
  - 2. Nagaland
  - 3. Mizoram
  - 4. Assam

Question ID : 26433079532  
Status : Answered  
Chosen Option : 1



Q.18 अक्टूबर 2021 में, विश्व स्वास्थ्य संगठन (WHO) ने उप-सहारा अफ्रीका में और अन्य क्षेत्रों में प्लैज्मोडियम फैल्सिपेरम के कारण होने वाले किस रोग के मध्यम से उच्च संचरण वाले जोखिम वाले बच्चों के लिए RTS,S/AS01 (RTS,S) के उपयोग की अनुशंसा की?

- Ans
- 1. पीतज्वर
  - 2. काला अजार
  - 3. मलेरिया
  - 4. पोलियो

Question ID : 26433098840  
Status : Answered  
Chosen Option : 3

Q.19 Which is the first tomb of the Mughal period to have two domes?

- Ans
- 1. Akbar Tomb
  - 2. Jahangir Tomb
  - 3. Humayun Tomb
  - 4. Babur Tomb

Question ID : 26433064398  
Status : Answered  
Chosen Option : 3

Q.20 मुगल केंद्रीय प्रशासन के तहत "बख्शी" की क्या भूमिका थी?

- Ans
- 1. वह मनसबदारों द्वारा सशस्त्र टुकड़ियों की स्वीकृत संख्या और युद्ध उपकरणों के उचित रखरखाव पर कड़ी निगरानी रखने के लिए जिम्मेदार होता था।
  - 2. उसके पास अन्य सभी पदों और प्रशासन के अधिकारियों को भत्ते और वजीफा वितरित करने का असीमित अधिकार था।
  - 3. वह मुख्य कार्यकारी अधिकारी होता था जो शाही घराने के लिए सभी प्रकार की वस्तुओं की खरीद और उनके भंडारण के लिए जिम्मेदार था।
  - 4. वह राजस्व और वित्त के लिए जिम्मेदार होता था और उसका प्राथमिक कर्तव्य शाही खजाने की निगरानी करना और सभी खातों की जांच करना था।

Question ID : 26433098850  
Status : Answered  
Chosen Option : 4

Section : Part-B-General Science

Q.1 \_\_\_\_\_ is the fraction  $1/273.16$  of the thermodynamic dynamic temperature of the triple point of water.

- Ans
- 1. Kelvin
  - 2. Celsius
  - 3. Fahrenheit
  - 4. Candela

Question ID : 26433098682  
Status : Answered  
Chosen Option : 1

Q.2 Which of the following metal is in liquid state at room temperature?

- Ans  1. Mercury  
 2. Potassium  
 3. Iron  
 4. Calcium

Question ID : 26433098610  
Status : Answered  
Chosen Option : 2

Q.3 Spontaneous processes of nature are \_\_\_\_\_

- Ans  1. Reversible  
 2. Irreversible  
 3. System and surrounding returns to original state.  
 4. Always slow

Question ID : 26433098635  
Status : Answered  
Chosen Option : 1

Q.4 Why does group 15 elements have greater ionization enthalpy than group 16 elements?

- Ans  1. All of the above  
 2. They have extra stable half-filled p orbital  
 3. Greater nuclear attraction  
 4. They are smaller in size

Question ID : 26433098629  
Status : Answered  
Chosen Option : 1

Q.5 Which of the following is arranged in decreasing order of ionic mobility?

- Ans  1.  $I^- \rightarrow Br^- \rightarrow Cl^- \rightarrow F^-$   
 2.  $F^- \rightarrow Cl^- \rightarrow I^- \rightarrow Br^-$   
 3.  $F^- \rightarrow Cl^- \rightarrow Br^- \rightarrow I^-$   
 4.  $F^- \rightarrow I^- \rightarrow Cl^- \rightarrow Br^-$

Question ID : 26433098611  
Status : Answered  
Chosen Option : 2

Q.6 Which of the following ferromagnetic materials has the highest Curie Temperature?

- Ans  1. Cobalt  
 2. Gadolinium  
 3. Iron  
 4. Nickel

Question ID : 26433098582  
Status : Answered  
Chosen Option : 2

Q.7 In which year Ohm's law was discovered?

- Ans  1. 1828  
 2. 1838  
 3. 1858  
 4. 1848

Question ID : 26433098684  
Status : Answered  
Chosen Option : 2

Q.8 Which of the following electrolytes are known as 1-1, 2-1 and 2-2 electrolytes respectively?

- Ans  1. NaCl, CaCl<sub>2</sub> and MgSO<sub>4</sub>  
 2. CaCl<sub>2</sub>, NaCl and MgSO<sub>4</sub>  
 3. MgSO<sub>4</sub>, NaCl and CaCl<sub>2</sub>  
 4. CaCl<sub>2</sub>, MgSO<sub>4</sub> and NaCl

Question ID : 26433098569  
Status : Answered  
Chosen Option : 1

Q.9 Dimension of mass density is

- Ans  1. [M<sup>0</sup> L T<sup>-1</sup>]  
 2. [M<sup>0</sup> L<sup>3</sup> T<sup>0</sup>]  
 3. [M L<sup>-3</sup> T<sup>0</sup>]  
 4. [M L T<sup>-2</sup>]

Question ID : 26433098596  
Status : Answered  
Chosen Option : 4

Q.10 Identify the CORRECT statement about system of units.

- Ans  1. The CGS units have well defined and internationally accepted unit symbols (such as m for metre, kg for kilogram, s for second, A for ampere, N for newton etc.).  
 2. Certain fundamental units are expressed by means of SI units with special names (such as joule, newton, watt, etc).  
 3. The MKS based on seven base units is at present internationally accepted unit system and is widely used throughout the world.  
 4. Scientific notation and the prefixes are used to simplify measurement notation and numerical computation, giving indication to the precision of the numbers.

Question ID : 26433098707  
Status : Answered  
Chosen Option : 3

Q.11 Which of the following is used in controlling depression and hypertension?

- Ans  1. Meprobamate.  
 2. Equanil.  
 3. Chlordiazepoxide.  
 4. Noradrenaline.

Question ID : 26433098562  
Status : Answered  
Chosen Option : 3

Q.12 If net external force on a body is zero than

- Ans
- 1. Its velocity is non zero (according to first law of motion)
  - 2. Its acceleration is non zero (according to 3rd law of motion)
  - 3. Its acceleration is zero (according to first law of motion)
  - 4. Its velocity will be zero ( according to second law of motion)

Question ID : 26433098660  
Status : Answered  
Chosen Option : 4

Q.13 The location of the north magnetic pole of earth's magnet is at a latitude of 79.74° N and a longitude of 71.8° W, a place somewhere in north \_\_\_\_\_.

- Ans
- 1. Australia
  - 2. Antarctica
  - 3. Canada
  - 4. New Zealand

Question ID : 26433098534  
Status : Answered  
Chosen Option : 1

Q.14 Metals have low resistivities in the range of \_\_\_\_\_.

- Ans
- 1.  $10^{-5} \Omega\text{m}$  to  $10^{-3} \Omega\text{m}$
  - 2.  $10^{-8} \Omega\text{m}$  to  $10^{-6} \Omega\text{m}$
  - 3.  $10^5 \Omega\text{m}$  to  $10^3 \Omega\text{m}$
  - 4.  $10^8 \Omega\text{m}$  to  $10^6 \Omega\text{m}$

Question ID : 26433098532  
Status : Answered  
Chosen Option : 1

Q.15 Which of the following statement is NOT related to Zeroth Law of Thermodynamics?

- Ans
- 1. This Law clearly suggests that when two systems A and B, are in thermal equilibrium, there must be a physical quantity that has the same value for both.
  - 2. This law was formulated in 1931.
  - 3. R.H. Fowler formulated this law.
  - 4. This law states that 'two systems in chemical equilibrium with a third system separately are in thermal equilibrium with each other'.

Question ID : 26433098700  
Status : Answered  
Chosen Option : 3

Q.16 Which of the following additives has nutritive value?

- Ans
- 1. Flour improvers
  - 2. Fat emulsifiers
  - 3. Nutritional supplements
  - 4. Food colours

Question ID : 26433098713  
Status : Answered  
Chosen Option : 1

Q.17  $\text{J kg}^{-1}$  is the unit of \_\_\_\_\_ .

Ans  1. Gravitational Potential

2. Gravitational constant

3. Gravitational Potential Energy

4. Gravitational Intensity

Question ID : 26433098552

Status : Answered

Chosen Option : 3

Q.18 Which of the following artificial sweetener's appearance and taste are like sugar?

Ans  1. Sucralose

2. Alitame

3. Saccharin

4. Aspartame

Question ID : 26433098518

Status : Answered

Chosen Option : 1

Q.19 Which of the following is a potent vasodilator?

Ans  1. Ranitidine

2. Cimetidine

3. Histamine

4. Noradrenaline

Question ID : 26433098585

Status : Answered

Chosen Option : 3

Q.20 निम्नलिखित में से कौन सा कथन गलत है?

Ans  1. बल सदैव गति की दिशा में नहीं होता है।

2. एक निश्चित समय पर पिंड पर लगाया गया बल उस समय पिंड के स्थान की स्थिति से निर्धारित होता है।

3. गति के द्वितीय नियम में,  $F = m a$  होता है।

4. बल और समय का गुणनफल आवेग होता है जो त्वरण में परिवर्तन के बराबर होता है।

Question ID : 26433098529

Status : Answered

Chosen Option : 4

Q.21 What is value of G in  $F = G m_1 m_2 / r^2$

Ans  1.  $6.672 \times 10^{-11} \text{ N}$

2.  $6.672 \times 10^{-11} \text{ N m}^2 \text{ kg}^{-2}$

3.  $6.672 \times 10^{-11} \text{ N kg}^{-2}$

4.  $6.672 \times 10^{-11} \text{ N m}^2$

Question ID : 26433098679

Status : Answered

Chosen Option : 2

Q.22 Which of the following elements is NOT present in Alnico?

- Ans  1. Bismuth  
 2. Nickel  
 3. Copper  
 4. Cobalt

Question ID : 26433098581  
Status : Answered  
Chosen Option : 2

Q.23 An astronaut accidentally gets separated out of his small spaceship accelerating in inter stellar space at a constant rate of  $100 \text{ m s}^{-2}$ . The acceleration of the astronaut the instant after he is outside the spaceship is Zero. This is in accordance with \_\_\_\_\_

- Ans  1. Law of conservation of linear momentum  
 2. Newton's second law of motion  
 3. Newton's third law of motion  
 4. Newton's first law of motion

Question ID : 26433098677  
Status : Answered  
Chosen Option : 1

Q.24 Which of the following statements is INCORRECT? The conductivity of electrolytic (ionic) solutions depends on:

- Ans  1. concentration of the electrolyte.  
 2. the nature of the solute and its viscosity  
 3. The nature of the electrolyte added.  
 4. Size of the ions produced and their solvation

Question ID : 26433098545  
Status : Answered  
Chosen Option : 2

Q.25 The representation of rate of reaction in terms of concentration of the reactants is known as

- Ans  1. Stoichiometric coefficient  
 2. Rate expression  
 3. Order of reaction  
 4. Randomness

Question ID : 26433098653  
Status : Answered  
Chosen Option : 3

Section : Part-C-Mathematics

Q.1 A vendor mixes two types of pulses costing ₹10/kg and ₹22/kg respectively. In what ratio ₹10/kg should be mixed with ₹22/kg to get a mixture of ₹12/kg.

- Ans  1. 10 : 1  
 2. 1 : 5  
 3. 5 : 1  
 4. 1 : 10

Question ID : 26433081547  
Status : Answered  
Chosen Option : 3

**Q.2** If 2 men or 4 women or 6 boys can finish a work in 50 days, then how many days will 1 man, 1 woman and 1 boy take to finish the same work?

Ans

✓ 1.  $54\frac{6}{11}$  days

✗ 2.  $54\frac{5}{11}$  days

✗ 3.  $53\frac{6}{11}$  days

✗ 4.  $54\frac{6}{13}$  days

Question ID : 26433065101

Status : Answered

Chosen Option : 1

**Q.3** P, Q, R and S are four points on a circle. PR and QS intersect at a point X such that  $\angle QXR = 120^\circ$  and  $\angle XRS = 10^\circ$ .  
The measure of  $\angle QPR$  is:

Ans ✗ 1.  $100^\circ$

✓ 2.  $110^\circ$

✗ 3.  $120^\circ$

✗ 4.  $90^\circ$

Question ID : 26433075022

Status : Answered

Chosen Option : 2

**Q.4** A man spent 20% of his monthly income on rent and 45% of the remaining on clothes and he saves the remaining income. If his monthly savings are Rs.308, find his monthly salary.

Ans ✓ 1. Rs.700

✗ 2. Rs.725

✗ 3. Rs.775

✗ 4. Rs.750

Question ID : 26433063856

Status : Answered

Chosen Option : 1

**Q.5** If the area of a square is  $16x^2 + 16x + 4$ , what is the perimeter of the square?

Ans ✗ 1.  $2x + 4$

✗ 2.  $16 + 8x$

✗ 3.  $4x + 2$

✓ 4.  $16x + 8$

Question ID : 26433061338

Status : Answered

Chosen Option : 3

**Q.6** 2 tables and 3 chairs together cost ₹12000. When the cost of a table is decreased by 10% and that of a chair is increased by 20%, then 3 tables and 4 chairs together cost ₹17100. What is the total original cost of 1 table and 2 chairs?

- Ans**
- 1. ₹6500
  - 2. ₹6300
  - 3. ₹6800
  - 4. ₹6600

Question ID : 26433098454  
Status : Answered  
Chosen Option : 1

**Q.7** A cubic metre of copper weighing 15,000 kg is rolled into a square bar 4 m long. An exact cube is cut off from the bar. How much does the cube weigh?

- Ans**
- 1. 1900 kg
  - 2. 1875 kg
  - 3. 1975 kg
  - 4. 2850 kg

Question ID : 26433061293  
Status : Answered  
Chosen Option : 1

**Q.8** The following table shows the marks (in percentages) obtained by six students in five different subjects in an examination. The maximum marks in each subject are 100.

Student	SUBJECT					
	CS	PHYSICS	CHEMISTRY	MATHS	HISTORY	GEOGRAPHY
A	95	65	90	70	70	80
B	90	70	75	75	85	85
C	80	80	65	70	90	95
D	85	90	85	75	90	95
E	80	95	95	85	90	95
F	90	90	90	95	90	90

Answer the following question based on the table:

What are the average marks obtained by all the six students in CS? (up to two decimal places)

- Ans**
- 1. 83.33
  - 2. 81.67
  - 3. 84.76
  - 4. 86.67

Question ID : 26433074465  
Status : Answered  
Chosen Option : 4

**Q.9** Mohan starts a business with a capital of ₹1,70,000. He incurs a loss of 4% during the first year. But he makes a profit of 5% during the second year on his remaining investment. Finally, he makes a profit of 25% on his new capital during the third year. Find his total profit at the end of three years.

- Ans**
- 1. ₹44,200
  - 2. ₹43,200
  - 3. ₹45,200
  - 4. ₹42,200

Question ID : 26433063420  
Status : Answered  
Chosen Option : 3



Q.10 अरुण की वर्तमान आयु (वर्षों में) वरुण की वर्तमान आयु (वर्षों में) के दो गुना से एक वर्ष कम है। अब से 5 वर्ष बाद, वरुण की आयु अरुण की वर्तमान आयु के दो-तिहाई के बराबर होगी। अब से 2 वर्ष बाद अरुण और वरुण की आयु (वर्षों में) का योग क्या होगा?

- Ans
- 1. 58
  - 2. 50
  - 3. 52
  - 4. 54

Question ID : 26433098438  
Status : Answered  
Chosen Option : 1

Q.11 राकेश फल विक्रेता है। एक ग्राहक को वह एक किलोग्राम अमरूद 20% हानि पर और एक किलोग्राम आम 40% लाभ पर बेचता है और उसे Rs.44 का लाभ होता है। दूसरे ग्राहक को वह एक किलोग्राम आम और एक किलोग्राम अमरूद प्रत्येक 20% लाभ पर बेचता है और Rs.40 का लाभ अर्जित करता है। यदि वह 3 किलोग्राम अमरूद और 5 किलोग्राम आम प्रत्येक को 40% लाभ पर बेचता है, तो उसका कुल लाभ क्या है?

- Ans
- 1. Rs.412
  - 2. Rs.421
  - 3. Rs.325
  - 4. Rs.352

Question ID : 26433061304  
Status : Answered  
Chosen Option : 4

Q.12 The marked price of a water bottle is Rs.950. A man bought the same for Rs.740, after getting two successive discounts. If the first discount is 12% , then what is the second discount?

- Ans
- 1. 12.48%
  - 2. 11.48%
  - 3. 13.45%
  - 4. 14.56%

Question ID : 26433063783  
Status : Answered  
Chosen Option : 2

Q.13 Two circles of radii 13 cm and 12 cm are concentric. Calculate the length of the chord of the outer circle which touches the inner.

- Ans
- 1. 9 cm
  - 2. 8 cm
  - 3. 5 cm
  - 4. 10 cm

Question ID : 26433066391  
Status : Answered  
Chosen Option : 3

Q.14 During the first two hours of a journey, a man drove at the speed of 45 km/h and during next two hours and fifteen minutes he drove at a speed of 72 km/h. He maintained a speed of 80 km/h for another three hours and 45 minutes. What was his average speed (in km/h) for the entire journey?

- Ans  1. 69  
 2. 70  
 3. 66  
 4. 75

Question ID : 26433063236  
Status : Answered  
Chosen Option : 1

Q.15 When  $0.234343434\dots$  is expressed in the form of  $\frac{A}{B}$  (lowest terms), then the value of  $B - A$  is:

- Ans  1. 378  
 2. 376  
 3. 379  
 4. 377

Question ID : 26433082356  
Status : Answered  
Chosen Option : 1

Q.16 Using all the letters K, N, A, G and A, 5 letter words are made (with or without meaning). If these words are arranged as in a dictionary, the word NAAKG will appear at what place?

- Ans  1. 50  
 2. 49  
 3. 47  
 4. 46

Question ID : 26433098452  
Status : Answered  
Chosen Option : 2

Q.17 If  $\cot\theta + \operatorname{cosec}\theta = 5$ ,  $\theta$  being an acute angle, then the value of  $13\cos\theta$  is:

- Ans  1. 156  
 2. 25  
 3. 13  
 4. 12

Question ID : 26433075028  
Status : Answered  
Chosen Option : 1

Q.18 A sum of money at simple interest doubles itself in 8 years. What is the rate of interest?

- Ans  1. 12.5%  
 2. 8.5%  
 3. 9.5%  
 4. 6.5%

Question ID : 26433075155  
Status : Answered  
Chosen Option : 1

Q.19 If a chord of a circle of radius 11 cm is a tangent to another circle of radius 7 cm, both the circles being concentric, then the length of the chord is:

- Ans
- 1.  $3\sqrt{8}$  cm
  - 2.  $8\sqrt{3}$  cm
  - 3.  $6\sqrt{8}$  cm
  - 4.  $12\sqrt{2}$  cm

Question ID : 26433075402  
Status : Answered  
Chosen Option : 1

Q.20 80 men can construct a small footpath in 60 days. How many more men should be employed if the job is to be finished in 20 days?

- Ans
- 1. 160
  - 2. 180
  - 3. 120
  - 4. 240

Question ID : 26433061900  
Status : Answered  
Chosen Option : 4

Q.21 The solution of the following system of equations:

$2(ax - by) + a + 4b = 0$ ,  $2(bx + ay) + b - 4a = 0$ , is also the solution of the equation:

- Ans
- 1.  $3x - 2y = 5$
  - 2.  $4x + 3y = 4$
  - 3.  $2x - 3y = 6$
  - 4.  $3x + 4y = 59$

Question ID : 26433098465  
Status : Answered  
Chosen Option : 2

Q.22 12 पुरुष प्रतिदिन 6 घंटे कार्य करते हुए एक कार्य को 25 दिनों में कर सकते हैं। यदि यह दिया गया है कि पुरुष, महिलाओं की तुलना में दोगुने दक्ष हैं, तो 36 महिलाएं प्रतिदिन 5 घंटे कार्य करते हुए उसी कार्य को कितने दिनों में करेंगी?

- Ans
- 1. 24
  - 2. 25
  - 3. 20
  - 4. 23

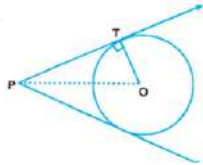
Question ID : 26433063804  
Status : Answered  
Chosen Option : 3

**Q.23** Simplify the following expression.  
 $5.4 + 7.3 - 4.8 \div 1.2 \times 2.3 + 3.2$

- Ans  1. 6.7  
 2. 3.5  
 3. 7.6  
 4. 5.3

Question ID : 26433080275  
Status : Answered  
Chosen Option : 2

**Q.24** In the following figure, O is the centre of the circle. If  $OP = 5$  cm and radius of the circle is 3 cm, find the length of the tangent PT.



- Ans  1. 6 cm  
 2. 4 cm  
 3. 3 cm  
 4. 5 cm

Question ID : 26433061448  
Status : Answered  
Chosen Option : 1

**Q.25** Find the surface area of a cube whose edge is 11 cm.

- Ans  1.  $66 \text{ cm}^2$   
 2.  $726 \text{ cm}^2$   
 3.  $121 \text{ cm}^2$   
 4.  $11 \text{ cm}^2$

Question ID : 26433073145  
Status : Answered  
Chosen Option : 2

Section : Part-D-Reasoning

**Q.1** Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)  
(114, 6, 19)  
(78, 13, 6)

- Ans  1. (375, 25, 15)  
 2. (81, 10, 9)  
 3. (42, 3, 7)  
 4. (343, 14, 7)

Question ID : 26433056506  
Status : Answered  
Chosen Option : 1

Q.2 तस्वीर में दिख रहे एक व्यक्ति की ओर इशारा करते हुए श्रीमती रजनी ने कहा, "वह मेरे पति के ससुर योगी के भाई का पुत्र है।" तस्वीर में दिख रहा व्यक्ति श्रीमती रजनी से किस प्रकार संबंधित है?

- Ans
- 1. भाई
  - 2. पिता के भाई का पुत्र
  - 3. पुत्र
  - 4. ससुर

Question ID : 26433068448  
Status : Answered  
Chosen Option : 2

Q.3 'A # B' का अर्थ है कि 'A, B का पति है'  
'A @ B' का अर्थ है कि 'A, B का पुत्र है'  
'A & B' का अर्थ है कि 'A, B की माता है'  
'A % B' का अर्थ है कि 'A, B का दादा है'  
यदि 'K % N @ P # R' है, तो K का R से क्या संबंध है?

- Ans
- 1. पिता
  - 2. माता
  - 3. ससुर
  - 4. सास

Question ID : 26433068579  
Status : Answered  
Chosen Option : 3

Q.4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some cushions are sofas.  
Some purses are cushions.  
All sofas are purses.

Conclusions:

I. Some cushions are purses.  
II. Some purses are sofas.  
III. Some sofas are cushions.

- Ans
- 1. Only conclusion II follows
  - 2. All conclusions follow
  - 3. Only conclusion III follows
  - 4. Only conclusion I follows

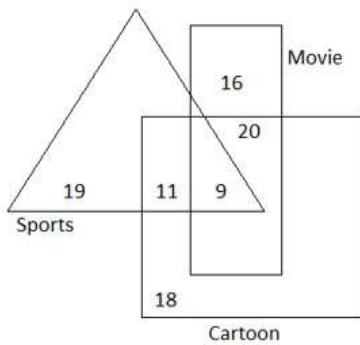
Question ID : 26433068542  
Status : Answered  
Chosen Option : 2

Q.5 Which two signs should be interchanged to make the given equation correct?  
 $306 \div 17 + 4 - 50 \times 8 = 30$

- Ans
- 1.  $\times$  and  $-$
  - 2.  $+$  and  $\times$
  - 3.  $+$  and  $\times$
  - 4.  $+$  and  $-$

Question ID : 26433059947  
Status : Answered  
Chosen Option : 3

Q.6 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons who like to watch different types of TV channels.



How many persons are there who like to watch both sports and cartoon channels?

- Ans  1. 9  
 2. 20  
 3. 11  
 4. 19

Question ID : 26433070416

Status : Answered

Chosen Option : 2

Q.7 Which letter-cluster will replace the question mark (?) to complete the given series?  
 FCBZ, KGEB, ?, UOKF, ZSNH

- Ans  1. PLHD  
 2. PKGD  
 3. PLGD  
 4. PKHD

Question ID : 26433067956

Status : Answered

Chosen Option : 4

Q.8 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.  
 $(31 * 3) * 64 * 124 * (492 * 78) * 6$

- Ans  1. -, ×, =, -, -, +  
 2. +, +, -, =, -, ×  
 3. +, -, +, +, ×, =  
 4. ×, -, =, -, +, +

Question ID : 26433057650

Status : Answered

Chosen Option : 1

**Q.9** Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Meconium
2. Medication
3. Mediocrity
4. Mechanical
5. Meclizine
6. Mecamylamine

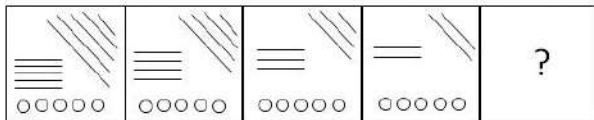
- Ans**
- 1. 4, 6, 5, 1, 2, 3
  - 2. 6, 4, 2, 3, 5, 1
  - 3. 6, 5, 1, 4, 3, 2
  - 4. 6, 4, 5, 1, 2, 3

Question ID : 26433098358

Status : Answered

Chosen Option : 4

**Q.10** Select the figure that will come in place of the question mark (?) in the following figure series.



**Ans**

- 1.
- 2.
- 3.
- 4.

Question ID : 26433056956

Status : Answered

Chosen Option : 1

**Q.11** There are five friends, Ankita, Parul, Ashna, Bhanu, Ritika. Ashna is the tallest. Ankita is shorter than Parul but taller than Ritika. Bhanu is shorter than Parul but taller than Ankita. Who is taller than Ritika but shorter than Bhanu?

- Ans**
- 1. Ritika
  - 2. Parul
  - 3. Ankita
  - 4. Bhanu

Question ID : 26433056548

Status : Answered

Chosen Option : 3

Q.12 In a certain code language, 'POSITIVE' is written as '109' and 'NEGATIVE' is written as '141'. How will 'INTEGER' be written in that language?

Ans  1. 118

2. 107

3. 111

4. 114

Question ID : 26433098342

Status : Answered

Chosen Option : 1

Q.13 Six friends L, M, N, O, P and Q are sitting around a circular table facing the centre. L is sitting third to the left of O. M is sitting second to the right of O. N is sitting second to the right of P. P is the only one sitting between Q and O. Who is sitting between M and Q?

Ans  1. L

2. O

3. P

4. N

Question ID : 26433055513

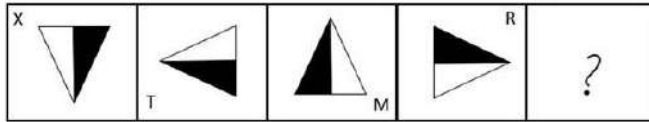
Status : Answered

Chosen Option : 1

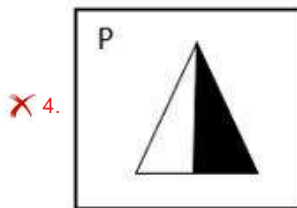
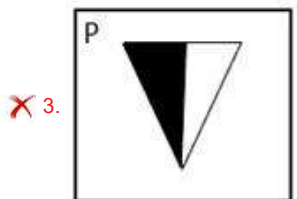
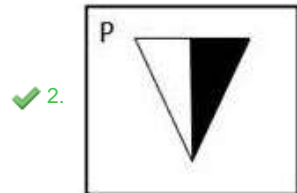
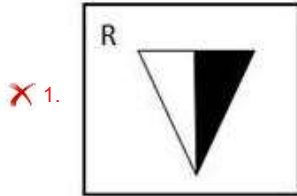




**Q.14** Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans



Question ID : 26433056826

Status : Answered

Chosen Option : 2

**Q.15** 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below. Find the number on the face opposite to the one showing '6'.

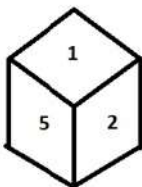


figure 1

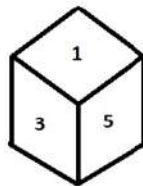


figure 2

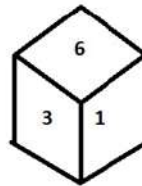


figure 3

Ans ✓ 1. 5

✗ 2. 4

✗ 3. 3

✗ 4. 2

Question ID : 26433080721

Status : Answered

Chosen Option : 1

Q.16 Which of the following numbers will replace the question mark (?) in the given series?  
90, 89, 85, 76, ?, 35

- Ans
- 1. 65
  - 2. 51
  - 3. 60
  - 4. 72

Question ID : 26433056433  
Status : Answered  
Chosen Option : 3

Q.17 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below.  
Find the number on the face opposite to the one showing '5'.

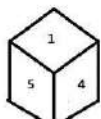


figure 1

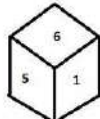


figure 2

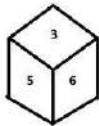


figure 3

- Ans
- 1. 3
  - 2. 1
  - 3. 2
  - 4. 4

Question ID : 26433080728  
Status : Answered  
Chosen Option : 3

Q.18 Seven people, A, B, C, D, E, F and G, are sitting in a straight row, facing the north. Only two people sit to the right of D. Only two people sit to the left of C. Only two people sit between D and G. Only three people sit between C and E. A is not an immediate neighbour of D. B sits to the right of D. Who sits at the centre?

- Ans
- 1. D
  - 2. F
  - 3. C
  - 4. B

Question ID : 26433055897  
Status : Answered  
Chosen Option : 2

Q.19 In a certain code language, 'RAID' is written as 'DIARS' and 'SPOT' is written as 'TOPST'. How will 'MOOT' be written in that language?

- Ans
- 1. MOOTT
  - 2. MOOTN
  - 3. TOOMM
  - 4. TOOMN

Question ID : 26433056079  
Status : Answered  
Chosen Option : 4

**Q.20** Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

m\_r\_t\_c\_m\_e\_r\_o\_s\_c\_u\_e\_r\_o\_s\_u

- Ans
- 1. eostumtc
  - 2. esotmtco
  - 3. emtsotcc
  - 4. eosutmtc

Question ID : 26433056252  
Status : Answered  
Chosen Option : 4

Section : Part-E- Computer Fundamentals

**Q.1** Typically \_\_\_\_\_ is used to send the email carbon copy to multiple recipients, except each recipient can't see who is on the list of other recipients.

- Ans
- 1. Cc
  - 2. Subject
  - 3. Add text
  - 4. Bcc

Question ID : 26433098366  
Status : Answered  
Chosen Option : 4

**Q.2** \_\_\_\_\_ keyboard shortcut is used to cut the selected data in MS-Word 2010.

- Ans
- 1. Ctrl + V
  - 2. Ctrl + X
  - 3. Ctrl + O
  - 4. Ctrl + Z

Question ID : 26433098402  
Status : Answered  
Chosen Option : 2

**Q.3** The \_\_\_\_\_ function in MS-Excel 2010 is used to find average or mean of numbers.

- Ans
- 1. AVERAGE
  - 2. MEAN
  - 3. AVRG
  - 4. AVG

Question ID : 26433098391  
Status : Answered  
Chosen Option : 4

Q.4 \_\_\_\_\_, एमएस-एक्सेल 2010 (MS-Excel 2010) की वर्कशीट में डेटा का एक विजुअल रिप्रजेंटेशन है।

- Ans
- 1. शीट (Sheet)
  - 2. सेल (Cell)
  - 3. ग्राफ (Graph)
  - 4. टेबल (Table)

Question ID : 26433098394  
Status : Answered  
Chosen Option : 1

Q.5 Which of the following ISP provides access to Internet through telephone line, cable Wi-Fi or fiber optics?

- Ans
- 1. Hosting ISPs
  - 2. Access providers
  - 3. Mailbox provider
  - 4. Virtual ISPs

Question ID : 26433098427  
Status : Answered  
Chosen Option : 1

Q.6 एमएस-एक्सेल 2010 (MS-Excel 2010) फॉर्मूला में, कॉलम H से J तक सभी सेल्स को रेफर करने के लिए निम्न में से किस रेफरेंस का उपयोग किया जाता है?

- Ans
- 1. H-J
  - 2. H:J
  - 3. H::J
  - 4. H,J

Question ID : 26433098421  
Status : Answered  
Chosen Option : 1

Q.7 The keyboard shortcut to paste special values in a worksheet in MS-Excel 2010, is \_\_\_\_\_.

- Ans
- 1. Ctrl + Alt + V then press V
  - 2. Alt + V then press V
  - 3. Ctrl + Shift + V then press V
  - 4. Shift + V then press V

Question ID : 26433098362  
Status : Answered  
Chosen Option : 1

Q.8 निम्नलिखित में से कौन सा एक कंप्यूटर है, जो इंटरनेट पर वेबसाइट को होस्ट करता है?

- Ans
- 1. वेब ब्राउज़र (Web browser)
  - 2. वेबपेज (Webpage)
  - 3. सर्च इंजन (Search engine)
  - 4. वेब सर्वर (Web server)

Question ID : 26433098418

Status : Answered

Chosen Option : 1

Q.9 एमएस-एक्सेल 2010 में, परिवर्तनों को पूर्ववत करने के लिए \_\_\_\_\_ कीबोर्ड शॉर्टकट का उपयोग किया जाता है।

- Ans
- 1. Ctrl + C
  - 2. Ctrl + V
  - 3. Ctrl + X
  - 4. Ctrl + Z

Question ID : 26433098380

Status : Answered

Chosen Option : 4

Q.10 The dollar sign (\$) is used to make references \_\_\_\_\_ in MS-Excel 2010.

- Ans
- 1. mixed column
  - 2. mixed row
  - 3. absolute
  - 4. relative

Question ID : 26433098375

Status : Answered

Chosen Option : 4

## Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Village Adampur Raisen Road
Exam Date	28/10/2022
Exam Time	4:00 PM - 5:30 PM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

### Section : Part-A-General Awareness

**Q.1 Which committee is also known as Village and Small Scale Industries Committee?**

- Ans
- 1. Chakravarty Committee
  - 2. Karve Committee
  - 3. PK Mohanty Committee
  - 4. KV Kamath Committee

Question ID : 26433054618

Status : Answered

Chosen Option : 1

**Q.2 Which stretch of the Ganga-Bhagirathi-Hooghly river system was declared as the National Waterway No.1 as per an Act in 1982?**

- Ans
- 1. Allahabad to Kolkata
  - 2. Patna to Haldia
  - 3. Allahabad to Patna
  - 4. Allahabad to Haldia

Question ID : 26433067186

Status : Answered

Chosen Option : 1

**Q.3 Shahi Atala Masjid is located in which of the following district of Uttar Pradesh?**

- Ans
- 1. Varanasi
  - 2. Jaunpur
  - 3. Sultanpur
  - 4. Kaushambi

Question ID : 26433098483

Status : Answered

Chosen Option : 3

**Q.4 The tableau of which of the following states showcased its contributions in the Indian National Movement during the Republic Day Parade of 2022?**

- Ans
- 1. Maharashtra
  - 2. Karnataka
  - 3. Goa
  - 4. Punjab

Question ID : 26433064674

Status : Answered

Chosen Option : 2

Q.5 The first complete census of India was taken in the year of \_\_\_\_\_.

- Ans  1. 1890  
 2. 1872  
 3. 1881  
 4. 1886

Question ID : 26433081924  
Status : Answered  
Chosen Option : 3

Q.6 Which of the following is inversely related to the rate of interest?

- Ans  1. Classical demand for money  
 2. Transaction demand for money  
 3. Speculative demand for money  
 4. Precautionary demand for money

Question ID : 26433054579  
Status : Answered  
Chosen Option : 2

Q.7 The Sanatan Sangeet Sanskriti Award is given by the:

- Ans  1. Ram Krishan and Sons Charitable Trust  
 2. Government of Madhya Pradesh  
 3. Sangeet Natak Akademy  
 4. Ministry of Culture and Sport

Question ID : 26433054417  
Status : Answered  
Chosen Option : 4

Q.8 \_\_\_\_\_, Chief Minister of Nagaland, hoisted the National Flag at the state level celebration of 76th Independence Day at Naga Civil Secretariat Plaza Kohima, on August 15, 2022.

- Ans  1. Pu Zoramthanga  
 2. Neiphiu Rio  
 3. Prem Singh Tamang (Golay)  
 4. Conrad K Sangma

Question ID : 26433098100  
Status : Answered  
Chosen Option : 1

Q.9 Under Stand-Up India Scheme what is the maximum amount a bank can lend as a loan?

- Ans  1. ₹10 lakh  
 2. ₹75 lakh  
 3. ₹50 lakh  
 4. ₹1 Crore

Question ID : 26433098495  
Status : Answered  
Chosen Option : 1

**Q.10** Scientists from which institute have developed a portable, user-friendly, and non-invasive device for detecting oral cancer in resource-constrained clinical settings in January 2022?

- Ans
- 1. IIT, Kanpur
  - 2. IIT, Kharagpur
  - 3. IIT, Roorkee
  - 4. IIT, Guwahati

Question ID : 26433098851  
Status : Answered  
Chosen Option : 3

**Q.11** Which one of the following was the last dynasty of Vijayanagar Empire?

- Ans
- 1. Sangama dynasty
  - 2. Aravidu dynasty
  - 3. Tuluva dynasty
  - 4. Saluva dynasty

Question ID : 26433098841  
Status : Answered  
Chosen Option : 1

**Q.12** The famous "Sundarbans Forests" are found in which of the following states of India ?

- Ans
- 1. Kerala
  - 2. Bihar
  - 3. Madhya Pradesh
  - 4. West Bengal

Question ID : 26433066611  
Status : Answered  
Chosen Option : 4

**Q.13** Who among the following was one of the prominent figures of the Justice Party movement?

- Ans
- 1. K Ramakrishna Pillai
  - 2. Narayan Guru
  - 3. Periyar
  - 4. P Theagaraya Chetty

Question ID : 26433082071  
Status : Answered  
Chosen Option : 1

**Q.14** Which of the following states of India does not share the border with Nepal?

- Ans
- 1. Utrakhand
  - 2. Bihar
  - 3. Sikkim
  - 4. Himachal Pradesh

Question ID : 26433098502  
Status : Answered  
Chosen Option : 4



Q.15 When was the master direction of RBI on microfinance loans implemented?

- Ans
- 1. January 01, 2022
  - 2. April 01, 2022
  - 3. December 01, 2021
  - 4. March 01, 2022

Question ID : 26433054568  
Status : Answered  
Chosen Option : 4

Q.16 In the year 1947, what was the literacy rate in India?

- Ans
- 1. 14%
  - 2. 12%
  - 3. 15%
  - 4. 18%

Question ID : 26433067211  
Status : Answered  
Chosen Option : 4

Q.17 In which of the following months India-Maldives Joint Statement was released during the Official Visit of the President of the Maldives to India?

- Ans
- 1. September 2022
  - 2. June 2022
  - 3. August 2022
  - 4. July 2022

Question ID : 26433098486  
Status : Answered  
Chosen Option : 3

Q.18 The story of the monkey king is shown on a piece of sculpture found from a stupa at \_\_\_\_\_ in Central India.

- Ans
- 1. Amravati
  - 2. Nagarjunakonda
  - 3. Lumbini
  - 4. Bharhut

Question ID : 26433054227  
Status : Answered  
Chosen Option : 1

Q.19 In the national movement of India, which of the following Committees/Commissions had demanded a bill of rights for Indians?

- Ans
- 1. Cripps Committee
  - 2. Jinnah Committee
  - 3. Simon Commission
  - 4. Motilal Nehru Committee

Question ID : 26433054899  
Status : Answered  
Chosen Option : 4

**Q.20** Which gadget developed by the Indian Institute of Technology, Ropar, resembles a USB flash drive, continuously records the temperature of its immediate surroundings "from -40 to +80 degrees in any time zone for a complete 90 days on a single charge

- Ans
- 1. AmbiTag
  - 2. TempTag
  - 3. EnviTab
  - 4. TempCount

Question ID : 26433098843  
Status : Answered  
Chosen Option : 1

Section : Part-B-General Science

**Q.1** In which of two groups of elements have highly negative electron gain enthalpies and readily add one or two electrons respectively to attain the stable noble gas configuration?

- Ans
- 1. Group 17 and Group 18
  - 2. Group 16 and Group 17
  - 3. Group 14 and Group 15
  - 4. Group 15 and Group 16

Question ID : 26433098542  
Status : Answered  
Chosen Option : 2

**Q.2** Kepler's law of areas, relates to

- Ans
- 1. Conservation of linear momentum
  - 2. None
  - 3. Conservation of angular momentum
  - 4. Constant angular speed

Question ID : 26433098661  
Status : Answered  
Chosen Option : 2

**Q.3** Which of the following is NOT a Dobereiner's triad?

- Ans
- 1. Li, Na and K
  - 2. Cl, Br and I
  - 3. Ca, Sr and Ba
  - 4. Be, Al and Ca

Question ID : 26433098521  
Status : Answered  
Chosen Option : 4

**Q.4** Rounding off 3.435 to 3 significant figures will give \_\_\_\_\_

- Ans
- 1. 3.45
  - 2. 3.55
  - 3. 3.56
  - 4. 3.44

Question ID : 26433098643  
Status : Answered  
Chosen Option : 4

Q.5 'P' of a body is defined as product of mass and velocity. What is P here?

- Ans
- 1. Pressure (scalar quantity)
  - 2. None
  - 3. Momentum (vector quantity)
  - 4. Pressure (vector quantity)

Question ID : 26433098615  
Status : Answered  
Chosen Option : 3

Q.6 Which of the following is INCORRECT statement about magnetic dipole moment?

- Ans
- 1. The individual atoms of oxygen possess a permanent magnetic dipole moment of its own.
  - 2. The individual atoms of Gadolinium possess permanent magnetic dipole moment of its own.
  - 3. The individual atoms of copper does not possess magnetic dipole moment of its own..
  - 4. The individual atoms of bismuth possess permanent magnetic dipole moment of its own.

Question ID : 26433098647  
Status : Answered  
Chosen Option : 3

Q.7 The pressure-volume curve for a fixed temperature is called

- Ans
- 1. Isobar
  - 2. Isotherm
  - 3. Isochors
  - 4. Isotope

Question ID : 26433098657  
Status : Answered  
Chosen Option : 1

Q.8 The smallest value that can be measured by the measuring instrument is called

- Ans
- 1. Relative count
  - 2. Minimum count
  - 3. Least count
  - 4. Absolute count

Question ID : 26433098663  
Status : Answered  
Chosen Option : 3

Q.9 Arrange the following materials in ascending order based on its conductivity at 298.15 K

- (a) Copper
- (b) Sodium
- (c) Iron
- (d) Gold

- Ans
- 1. (c), (b), (d) and (a).
  - 2. (a), (b), (d) and (c).
  - 3. (d), (a), (c) and (b).
  - 4. (b), (c), (a) and (d).

Question ID : 26433098524  
Status : Answered  
Chosen Option : 3

**Q.10** Which law states that 'Every body in the universe attracts every other body with a force which is directly proportional to the product of their masses and inversely proportional to the square of the distance between them.'?

- Ans
- 1. Kepler's law of planetary motion
  - 2. Newton's law of gravitation
  - 3. Law of terrestrial gravitation
  - 4. Law of universal attraction

Question ID : 26433098705  
Status : Answered  
Chosen Option : 2

**Q.11** In an adiabatic process of an ideal gas  
 $PV^\gamma = \text{constant}$   
where

- Ans
- 1.  $\gamma = C_p/C_v$
  - 2.  $\gamma = C_p * C_v$
  - 3.  $\gamma = C_v / C_p$
  - 4.  $\gamma = C_p - C_v$

Question ID : 26433098592  
Status : Answered  
Chosen Option : 1

**Q.12** What is the number of elements of the earth's magnetic field?

- Ans
- 1. Four
  - 2. Two
  - 3. Five
  - 4. Three

Question ID : 26433098686  
Status : Answered  
Chosen Option : 2

**Q.13** In Newton's third law of motion the force acting on two bodies is \_\_\_\_\_

- Ans
- 1. Not equal in magnitude but direction is same
  - 2. Not equal in magnitude but opposite in direction
  - 3. Equal in magnitude but opposite in direction
  - 4. Equal in magnitude but same in direction

Question ID : 26433098616  
Status : Answered  
Chosen Option : 3

**Q.14** Which of the following is broad spectrum antibiotic?

- Ans
- 1. Erythromycin
  - 2. Penicillin G
  - 3. Chloramphenicol
  - 4. Gentamycin

Question ID : 26433098651  
Status : Answered  
Chosen Option : 2

Q.15 \_\_\_\_\_ are a class of chemical compounds used for the treatment of stress, and mild or even severe mental diseases.

- Ans
- 1. Tranquilizers
  - 2. Antibiotics
  - 3. Antiseptics
  - 4. Analgesics

Question ID : 26433098689  
Status : Answered  
Chosen Option : 2

Q.16 Oxidation state of oxygen is positive in which compound?

- Ans
- 1.  $\text{H}_2\text{O}$
  - 2.  $\text{OF}_2$
  - 3.  $\text{H}_2\text{O}_2$
  - 4.  $\text{SO}_2$

Question ID : 26433098631  
Status : Answered  
Chosen Option : 3

Q.17 The dimension of resistance is \_\_\_\_\_.

- Ans
- 1.  $[\text{M L}^{-2} \text{T}^3 \text{A}^{-2}]$
  - 2.  $[\text{M L}^2 \text{T}^{-3} \text{A}^{-2}]$
  - 3.  $[\text{M L}^2 \text{T}^{-3} \text{A}^2]$
  - 4.  $[\text{M L}^3 \text{T}^{-2} \text{A}^{-2}]$

Question ID : 26433098580  
Status : Answered  
Chosen Option : 2

Q.18 Which of these contracts the smooth muscles in the bronchi and gut and relaxes other muscles, such as those in the walls of fine blood vessels?

- Ans
- 1. Terfenadine
  - 2. Histamine
  - 3. Brompheniramine
  - 4. Chlordiazepoxide

Question ID : 26433098714  
Status : Answered  
Chosen Option : 1

Q.19 \_\_\_\_\_ arise from the errors due to imperfect design or calibration of the measuring instrument, zero error in the instrument, etc.

- Ans
- 1. Relative Error
  - 2. Least count error
  - 3. Instrumental errors
  - 4. Random errors

Question ID : 26433098706  
Status : Answered  
Chosen Option : 3

**Q.20** In ferromagnetic material what is the size of typical domain and how many numbers of atoms individual domain contain?

- Ans
- 1. 1.2 mm, about  $10^{11}$  atoms
  - 2. 1 mm, about  $10^{11}$  atoms
  - 3. 1.1 mm, about  $10^{12}$  atoms
  - 4. 1 mm, about  $10^{13}$  atoms

Question ID : 26433098603  
Status : Answered  
Chosen Option : 1

**Q.21** Which of the following gas can be polymerised to produce a polymer when exposed to vapours of iodine?

- Ans
- 1. Methane
  - 2. Ethylene
  - 3. Chlorine
  - 4. Acetylene

Question ID : 26433098568  
Status : Answered  
Chosen Option : 4

**Q.22** Who extrapolated simple observations on motion of bodies on inclined planes?

- Ans
- 1. Aristotle
  - 2. Newton
  - 3. Thomson
  - 4. Galileo

Question ID : 26433098572  
Status : Answered  
Chosen Option : 2

**Q.23** Which of the following statement does not apply to saccharin?

- Ans
- 1. Saccharin is about 100 times as sweet as cane sugar.
  - 2. Saccharin is the first popular artificial sweetening agent.
  - 3. Saccharin was discovered in 1879.
  - 4. Saccharin is excreted from the body in urine unchanged.

Question ID : 26433098691  
Status : Answered  
Chosen Option : 4

**Q.24** Given are the statements about primary and secondary batteries. Identify the correct statement (s).

- (I) Mercury cell is suitable for low current devices like hearing aids, watches, etc.
- (II) Leclanche cell is used commonly in our transistors and clocks.
- (III) Lead storage battery is commonly used in automobiles and invertors.

- Ans
- 1. Only II
  - 2. I, II and III
  - 3. Only III
  - 4. Only I

Question ID : 26433098722  
Status : Answered  
Chosen Option : 2

Q.25 Current per unit area (taken normal to the current),  $I/A$ , is called \_\_\_\_\_

- Ans
- 1. Conductivity
  - 2. Relative density
  - 3. Resistivity
  - 4. Current density

Question ID : 26433098708  
Status : Answered  
Chosen Option : 1

Section : Part-C-Mathematics

Q.1 If the volume of a sphere is 8 times that of another sphere, then what is the ratio of their surface areas?

- Ans
- 1. 4 : 1
  - 2. 2 : 3
  - 3. 4 : 3
  - 4. 8 : 1

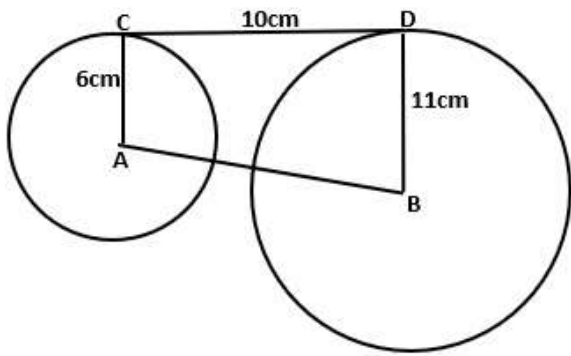
Question ID : 26433073141  
Status : Answered  
Chosen Option : 3

Q.2 If  $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{2}$ , then the value of  $x^3 + \frac{1}{x^3}$  is:

- Ans
- 1. 52
  - 2. 44
  - 3. 50
  - 4. 56

Question ID : 26433098460  
Status : Answered  
Chosen Option : 1

Q.3 Study the given figure.



What is the distance between the centres of the given circles?

- Ans
- 1.  $5\sqrt{3}$  cm
  - 2.  $5\sqrt{5}$  cm
  - 3.  $5\sqrt{4}$  cm
  - 4.  $5\sqrt{2}$  cm

Question ID : 26433061362  
Status : Answered  
Chosen Option : 1

Q.4 What is the value of the given expression?

$$\frac{99}{6 \text{ of } 3} + \frac{58}{116} + 4(11 - 2 \times 2.25)$$

- Ans
- 1. 31
  - 2. 57.5
  - 3. 32
  - 4. 33.5

Question ID : 26433058774  
Status : Answered  
Chosen Option : 3

Q.5  $\frac{1}{3}$  of 40% of a number is equal to  $\frac{1}{5}$  of 30% of another number. What is the respective ratio of the first number to the second number?

- Ans
- 1. 4 : 9
  - 2. 4 : 15
  - 3. 9 : 20
  - 4. 3 : 5

Question ID : 26433063926  
Status : Answered  
Chosen Option : 3



Q.6 If the area of the base of a right circular cone is  $157 \text{ cm}^2$  and its slant height is  $\sqrt{491} \text{ cm}$ , then the volume of the cone is \_\_\_\_\_.

(Use  $\pi = 3.14$ .)

- Ans
- 1.  $997 \text{ cm}^3$
  - 2.  $1172 \text{ cm}^3$
  - 3.  $1099 \text{ cm}^3$
  - 4.  $986 \text{ cm}^3$

Question ID : 26433061321  
Status : Answered  
Chosen Option : 3

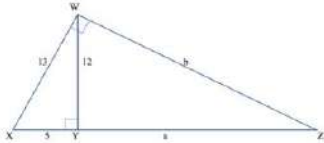
Q.7 Find the area of a sector having the arc length  $22 \text{ cm}$  that subtends an angle  $60^\circ$  at the centre of the circle?

(Use  $\pi = \frac{22}{7}$ )

- Ans
- 1.  $234 \text{ cm}^2$
  - 2.  $324 \text{ cm}^2$
  - 3.  $231 \text{ cm}^2$
  - 4.  $321 \text{ cm}^2$

Question ID : 26433075217  
Status : Answered  
Chosen Option : 3

Q.8 In the given figure, all measurements are in centimetres. What are the values of  $a$  and  $b$  (both in cm), respectively?



- Ans
- 1. 26, 10
  - 2. 31.2, 28.8
  - 3. 10, 26
  - 4. 28.8, 31.2

Question ID : 26433061923  
Status : Answered  
Chosen Option : 4

Q.9 Express  $0.34\bar{6}$  as a vulgar fraction.

- Ans
- 1.  $\frac{315}{900}$
  - 2.  $\frac{313}{900}$
  - 3.  $\frac{312}{900}$
  - 4.  $\frac{314}{900}$

Question ID : 26433080093  
Status : Answered  
Chosen Option : 3

Q.10 What is the number of integral solutions for the equation  $|a| + |b| + |c| = 27$ ?

- Ans
- 1. 2727
  - 2. 2918
  - 3. 2048
  - 4. 2024

Question ID : 26433061337  
Status : Answered  
Chosen Option : 1

Q.11 Aman buys a refrigerator priced at Rs.68,500. He pays Rs.18,500 at once and the rest after 22 months on which he is charged simple interest at the rate of 15% per annum. The total amount he pays for the refrigerator is:

- Ans
- 1. Rs.82,200
  - 2. Rs.82,250
  - 3. Rs.82,550
  - 4. Rs.63,750

Question ID : 26433074934  
Status : Answered  
Chosen Option : 2

Q.12 The equation of a circle C1 is  $x^2 + y^2 = 4$ . The equation of a circle C2 is  $x^2 + y^2 + 6x + 8y + 16 = 0$ . What is the number of common tangents between the two circles?

- Ans
- 1. 4
  - 2. 3
  - 3. 1
  - 4. 2

Question ID : 26433075338  
Status : Answered  
Chosen Option : 4

Q.13 In a Maths quiz 10 students scored 20 marks, six students scored 19 marks, five students scored 18 marks, four students scored 17 marks, and two students scored 12 marks. The average marks scored by the class (correct to 2 decimal places) is:

- Ans
- 1. 17.34
  - 2. 18.37
  - 3. 15.23
  - 4. 16.25

Question ID : 26433081543  
Status : Answered  
Chosen Option : 3

Q.14 One boy and one girl together can complete a piece of work in 4 days. One boy alone can complete the work in 5 days. In how many days can one girl alone complete the work?

- Ans
- 1. 22 days
  - 2. 10 days
  - 3. 20 days
  - 4. 15days

Question ID : 26433064034  
Status : Answered  
Chosen Option : 2

**Q.15** Ten chairs are placed in a row which have to be occupied by 8 students and two teachers. The two teachers decide not to sit together. If there are  $n$  such arrangements of occupying the seats, then what is the sum of digits of  $n$ ?

- Ans**
- 1. 18
  - 2. 19
  - 3. 17
  - 4. 16

Question ID : 26433098464  
Status : Answered  
Chosen Option : 1

**Q.16** The fourth proportional of  $xy^2$ ,  $x^2y$ ,  $xy$  is:

- Ans**
- 1.  $y^2$
  - 2.  $x$
  - 3.  $y$
  - 4.  $x^2$

Question ID : 26433061617  
Status : Answered  
Chosen Option : 4

**Q.17** Find the compound interest on Rs.15,625 in 2 years at 8% per annum, the interest being compounded half-yearly.

- Ans**
- 1. Rs.8,279.04
  - 2. Rs.8,654.04
  - 3. Rs.18,279.04
  - 4. Rs.2,654.04

Question ID : 26433063721  
Status : Answered  
Chosen Option : 4

**Q.18** Let  $a_1, a_2, a_3, \dots, a_n, a_i > 0$  for  $1, 2, 3, \dots$  be a geometric progression and let  $S_n$  be the sum of first  $n$  terms. If  $a_2 a_4 = 1$  and  $S_3 = 7$ , then  $S_5$  is equal to

- Ans**
- 1.  $\frac{47}{4}$
  - 2.  $\frac{19}{2}$
  - 3.  $\frac{31}{4}$
  - 4.  $\frac{63}{8}$

Question ID : 26433098447  
Status : Answered  
Chosen Option : 3

Q.19 If  $4\tan A = 9$ , then  $\frac{4\sin A - \cos A}{4\sin A + \cos A} + 3 = ?$

- Ans
- 1.  $\frac{11}{15}$
  - 2.  $\frac{19}{5}$
  - 3.  $\frac{13}{5}$
  - 4.  $\frac{16}{5}$

Question ID : 26433075264

Status : Answered

Chosen Option : 2

Q.20 Two stations, A and B, are 1570 km apart. One train starts from A at 7:00 am and travels towards B at 80 km/h. Another train starts from B at 9:00 am and travels towards A at a speed of 108 km/h. At what time (in 24-hour clock time) will the two trains meet?

- Ans
- 1. 16 : 30
  - 2. 14 : 45
  - 3. 16 : 45
  - 4. 14 : 20

Question ID : 26433063237

Status : Answered

Chosen Option : 3

Q.21 The percentage profit earned by selling an article for ₹1,960 is equal to the percentage loss incurred by selling the same article for ₹1,640. At what price should the article be sold to make a 20% profit?

- Ans
- 1. ₹1,800
  - 2. ₹2,160
  - 3. ₹3,600
  - 4. ₹1,820

Question ID : 26433062632

Status : Answered

Chosen Option : 2

Q.22 There are four numbers written in descending order. The first three of them form an arithmetic progression and the last three form a geometric progression. The sum of the first and last numbers is 16 and the sum of the other two numbers is 12. The sum of the squares of the given four numbers is

- Ans
- 1. 316
  - 2. 336
  - 3. 306
  - 4. 308

Question ID : 26433098459

Status : Answered

Chosen Option : 1

**Q.23** An electric fan lists at Rs.265.80 and is sold at a discount of 10%. The shopkeeper gives a further discount of 8% for cash payment. The selling price of the fan, when payment is made in cash, is:

- Ans
- 1. Rs.210.07
  - 2. Rs.239.22
  - 3. Rs.220.08
  - 4. Rs.250.00

Question ID : 26433063870  
Status : Answered  
Chosen Option : 3

**Q.24** Pabitra takes twice as long as Kader or three times as long as Rahim to complete a task. If they work together, they can complete the task in 2 days. How long will it take Kader to complete the task on his own?

- Ans
- 1. 6 days
  - 2. 5 days
  - 3. 12 days
  - 4. 8 days

Question ID : 26433065300  
Status : Answered  
Chosen Option : 3

**Q.25** Study the given table and answer the question(s) that follow(s).

The marks obtained by four students A, B, C and D in Mathematics, Statistics and Computers are given in the following table.

Students → /Subjects ↓	A	B	C	D
Mathematics	60	50	70	75
Statistics	70	45	60	80
Computers	80	55	55	75

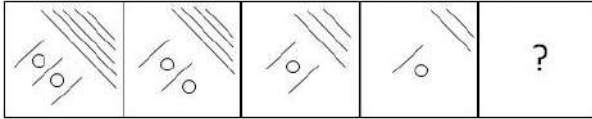
Which student scored the highest average marks as per the given data?

- Ans
- 1. C
  - 2. A
  - 3. B
  - 4. D

Question ID : 26433075000  
Status : Answered  
Chosen Option : 4

Section : Part-D-Reasoning

Q.1 Select the figure that will come in place of the question mark (?) in the following figure series.

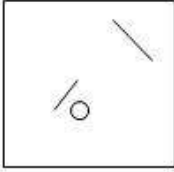


Ans

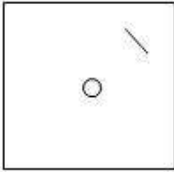
1.



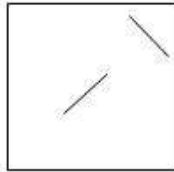
2.



3.



4.



Question ID : 26433056951  
Status : Answered  
Chosen Option : 3

Q.2 Six students are sitting around a circular table facing the centre. Kapil is sitting second to the left of Tia. Bhanu is sitting third to the right of Piya. Ritu is an immediate neighbour of both Tia and Bhanu. Kapil is an immediate neighbour of Arjun and Piya. Who is sitting between Bhanu and Kapil?

Ans  1. Tia

2. Arjun

3. Ritu

4. Piya

Question ID : 26433055686  
Status : Answered  
Chosen Option : 2

Q.3 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Arteriolar
2. Artificial
3. Artworks
4. Arthritides
5. Articulation
6. Artemisia

- Ans  1. 4, 6, 1, 2, 5, 3  
 2. 6, 1, 4, 5, 2, 3  
 3. 6, 1, 2, 5, 4, 3  
 4. 4, 6, 1, 5, 2, 3

Question ID : 26433098350

Status : Answered

Chosen Option : 2

Q.4 यदि

'B % D' का अर्थ है 'B, D का ससुर है',  
'B & D' का अर्थ है 'B, D का भाई है',  
'B # D' का अर्थ है 'B, D की पत्नी है',  
'B \$ D' का अर्थ है 'B, D का पुत्र है', और  
'B @ D' का अर्थ है 'B, D की माता है',  
तो निम्न व्यंजक में N का Q से क्या संबंध है?  
L # N \$ O @ P # Q

- Ans  1. माता की बहन (मौसी)  
 2. पत्नी का भाई (साला)  
 3. भाई  
 4. भाई का पुत्र (भतीजा)

Question ID : 26433098331

Status : Not Answered

Chosen Option : --

Q.5 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.

$$145 * (156 * 12) * 71 * 157 * (35 * 2)$$

- Ans  1. +, -, +, +, ×, =  
 2. -, ×, =, -, -, +  
 3. +, +, -, =, -, ×  
 4. ×, +, -, =, -, +

Question ID : 26433057648

Status : Answered

Chosen Option : 3

Q.6 सात मित्रों, L, M, N, O, P, Q और R में से प्रत्येक की आयु अलग-अलग है। R, L से बड़ा है। L, M से बड़ा है। N सबसे बड़ा है। केवल दो व्यक्ति Q से बड़े हैं। O सबसे छोटा नहीं है। केवल एक व्यक्ति M से छोटा है। कितने व्यक्ति R से बड़े हैं?

- Ans  1. 6  
 2. 4  
 3. 3  
 4. 5

Question ID : 26433056912

Status : Answered

Chosen Option : 3

**Q.7** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some books are sticks.

Some sticks are shoes.

Some shoes are mobiles.

Conclusions:

I. Some mobiles are sticks.

II. Some shoes are books.

III. Some mobiles are books.

Ans  1. None of the conclusions follow

2. Only conclusion I follows

3. Only conclusion II follows

4. Only conclusion III follows

Question ID : 26433068548

Status : Answered

Chosen Option : 1

**Q.8** Which of the following numbers will replace the question mark (?) in the given series?  
2, 22, 12, 32, 22, ?, 32

Ans  1. 12

2. 22

3. 52

4. 42

Question ID : 26433056435

Status : Answered

Chosen Option : 4

**Q.9** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All dogs are cats.

Some cats are rats.

All rats are bats.

Conclusions:

I. Some bats are dogs.

II. Some rats are dogs.

III. Some bats are cats.

Ans  1. Only conclusion II follows

2. Only conclusion III follows

3. Only conclusion I follows

4. All conclusions follow

Question ID : 26433068543

Status : Answered

Chosen Option : 2



**Q.10** 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below. Find the number on the face opposite to the one showing '1'.

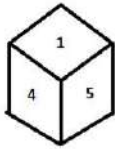


figure 1

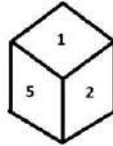


figure 2

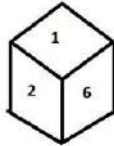


figure 3

- Ans**
- 1. 2
  - 2. 3
  - 3. 5
  - 4. 4

Question ID : **26433080723**  
Status : **Answered**  
Chosen Option : **2**

**Q.11** Which two signs and numbers need to be interchanged to make the following equation correct?

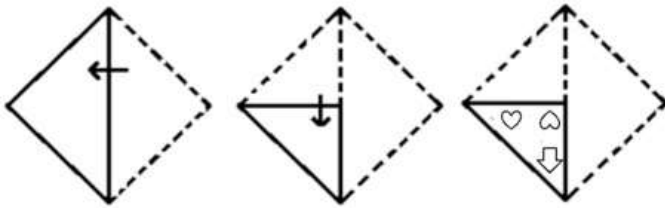
$$110 + (92 \div 4) - 70 + (23 \times 2) = 178$$

- Ans**
- 1. 110 and 70, - and  $\times$
  - 2. 110 and 92, + and  $\times$
  - 3. 70 and 23, - and  $\times$
  - 4. 23 and 92, + and  $\times$

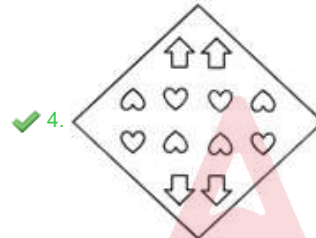
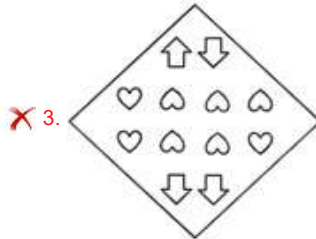
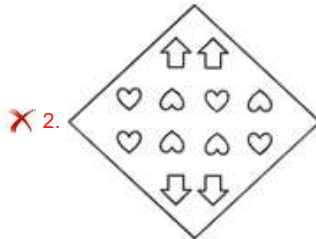
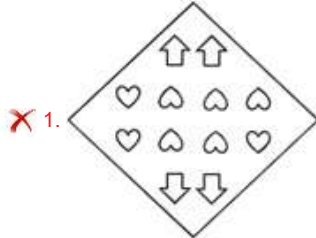
Question ID : **26433057112**  
Status : **Answered**  
Chosen Option : **4**

Adda247

Q.12 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 26433080549

Status : Answered

Chosen Option : 4

Q.13 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)

(28, 60, 22)  
(349, 1630, 186)

- Ans
- ✗ 1. (28, 140, 13)
  - ✗ 2. (69, 54, 15)
  - ✓ 3. (77, 320, 45)
  - ✗ 4. (987, 556, 431)

Question ID : 26433056505

Status : Answered

Chosen Option : 4

**Q.14** Pointing towards a person in the photograph, Raj said, "She is the only daughter of my grandfather's only son, Ajay." Ajay has one daughter and one son. How is the person in the photograph related to Raj?

- Ans
- 1. Mother's sister
  - 2. Father
  - 3. Mother
  - 4. Sister

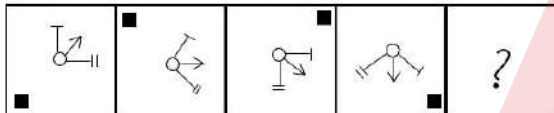
Question ID : 26433068451  
 Status : Answered  
 Chosen Option : 1

**Q.15** Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.  
 f i w i \_ \_ \_ s f \_ \_ \_ p o t s f \_ w \_ p o t s

- Ans
- 1. wiiipoti
  - 2. potiiwww
  - 3. potiwiii
  - 4. ptiwiiio

Question ID : 26433056251  
 Status : Answered  
 Chosen Option : 3

**Q.16** Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 26433056821  
 Status : Answered  
 Chosen Option : 1

Q.17 In a certain code language, 'HINDI' is written as '96' and 'FRENCH' is written as '114'. How will 'ARABIC' be written in that language?

- Ans
- 1. 128
  - 2. 40
  - 3. 134
  - 4. 93

Question ID : 26433098343  
Status : Answered  
Chosen Option : 1

Q.18 Six friends S, T, U, V, W and X are sitting around a circular table facing the centre. X is sitting third to the left of U. V is sitting second to the left of X. U is the only one sitting between T and V. S is sitting third to the left of V. Who is sitting between S and W?

- Ans
- 1. U
  - 2. T
  - 3. X
  - 4. V

Question ID : 26433055511  
Status : Answered  
Chosen Option : 3

Q.19 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

a a \_ \_ h d i n \_ \_ j u h d i n \_ \_ j u h d \_ \_

- Ans
- 1. juaaaain
  - 2. juaajaan
  - 3. jujnaaaa
  - 4. jujaaaan

Question ID : 26433056250  
Status : Answered  
Chosen Option : 1

Q.20 In a certain code language, 'SOFTEN' is written as 'ETNOSF' and 'HEIGHT' is written as 'HGTEHI'. How will 'DINNER' be written in that language?

- Ans
- 1. RNEIND
  - 2. RDINNE
  - 3. ENRIDN
  - 4. ERNDIN

Question ID : 26433055919  
Status : Answered  
Chosen Option : 3

Q.1 In MS-Excel 2010, which of the following function returns the serial number of the current date and time?

- Ans
- 1. NOT
  - 2. NPER
  - 3. NOW
  - 4. NPV

Question ID : 26433098404  
Status : Answered  
Chosen Option : 3

Q.2 Which of the following function in MS-Excel 2010 converts a text string to all lowercase letters?

- Ans
- 1. PROPER
  - 2. LOWER
  - 3. UPPER
  - 4. TEXT

Question ID : 26433098405  
Status : Answered  
Chosen Option : 2

Q.3 FTP stands for:

- Ans
- 1. File Type Protocol
  - 2. File Transfer Protocol
  - 3. File Telnet Protocol
  - 4. File Transit Protocol

Question ID : 26433098398  
Status : Answered  
Chosen Option : 1

Q.4 In MS-Excel 2010, click the cell that contains the data that you want to edit and then press \_\_\_\_\_ key. It starts Edit mode and positions the cursor at the end of the cell contents.

- Ans
- 1. F2
  - 2. F3
  - 3. F4
  - 4. F1

Question ID : 26433098360  
Status : Answered  
Chosen Option : 2

Q.5 The \_\_\_\_\_ of the email is a single line of text that the person sees when they get the email from anyone.

- Ans
- 1. signature
  - 2. subject line
  - 3. meta data
  - 4. body

Question ID : 26433098406  
Status : Answered  
Chosen Option : 2

**Q.6** Which of the following option is a feature that gives more control of how the content is displayed or functions when pasted from the Clipboard in MS-Word 2010?

- Ans**
- 1. Paste Control
  - 2. Paste Design
  - 3. Paste Special
  - 4. Paste Details

Question ID : 26433098413  
Status : Answered  
Chosen Option : 2

**Q.7** In MS-Excel 2010, the \_\_\_\_\_ displays the name of the spreadsheet.

- Ans**
- 1. Task bar
  - 2. Status bar
  - 3. Tool bar
  - 4. Title bar

Question ID : 26433098359  
Status : Answered  
Chosen Option : 4

**Q.8** \_\_\_\_\_ function in MS-Excel 2010 enables a user to save the changes that have been made in the primary file in a new file.

- Ans**
- 1. Save As
  - 2. Save
  - 3. Open
  - 4. New

Question ID : 26433098392  
Status : Answered  
Chosen Option : 1

**Q.9** Which of the following is not a method of Internet access?

- Ans**
- 1. Hotspots
  - 2. Wireless connection
  - 3. Broadband
  - 4. Coolspots

Question ID : 26433098417  
Status : Answered  
Chosen Option : 4

Q.10 To bold the text in MS-Excel 2010 the following shortcut key is used:

- Ans
- 1. Ctrl + I
  - 2. Ctrl + X
  - 3. Ctrl + B
  - 4. Ctrl + U

Question ID : 26433098390

Status : Answered

Chosen Option : 3



## Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	
Candidate Name	
Venue Name	iON Dizital Zone Faridabad
Exam Date	28/10/2022
Exam Time	9:00 AM - 10:30 AM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

### Section : Part-A-General Awareness

Q.1 Which of the following movements of Mahatma Gandhi was his first movement in British India against indigo planters?

- Ans
- 1. Ahmadabad Satyagraha
  - 2. Champaran Satyagraha
  - 3. Non-Cooperation Movement
  - 4. Kheda Satyagraha

Question ID : 26433065562  
Status : Marked For Review  
Chosen Option : 4

Q.2 Which of the following is the regulatory body for microfinance institutions in India?

- Ans
- 1. NABARD
  - 2. SIDBI
  - 3. Reserve Bank of India
  - 4. State Bank of India

Question ID : 26433054570  
Status : Answered  
Chosen Option : 2

Q.3 The tableau of which of the following states showcased the resistance of indigenous people towards the British Imperial Policy during the Republic Day Parade of 2022?

- Ans
- 1. Arunachal Pradesh
  - 2. Punjab
  - 3. Maharashtra
  - 4. Uttar Pradesh

Question ID : 26433064675  
Status : Marked For Review  
Chosen Option : 4

Q.4 Gopi Krishna, a great personality in Kathak and famous as an Indian dancer, actor and choreographer belong to which gharana?

- Ans
- 1. Jaipur
  - 2. Banaras
  - 3. Lucknow
  - 4. Raigarh

Question ID : 26433072633  
Status : Answered  
Chosen Option : 2



Q.5 As per 2018, what is the number of mobile subscribers per 100 people in India?

- Ans
- 1. 71
  - 2. 95
  - 3. 87
  - 4. 65

Question ID : 26433067182  
Status : Answered  
Chosen Option : 3

Q.6 Who is known as the father of Indian Census?

- Ans
- 1. Thomas Jefferson
  - 2. Henry Walter
  - 3. Yuzo Morita
  - 4. Chandra Sumsher Rana'

Question ID : 26433081921  
Status : Answered  
Chosen Option : 1

Q.7 During whose reign was Devagiri renamed Daulatabad?

- Ans
- 1. Muhammad-bin-Tughlaq
  - 2. Akbar
  - 3. Alauddin Khilji
  - 4. Iltutmish

Question ID : 26433082061  
Status : Answered  
Chosen Option : 1

Q.8 What is e-Sawaari that was launched by Niti Ayog in December 2021 in partnership with Convergence Energy Service Limited (CESL) and World Resources Institute, India (WRI India), and supported by Transformative Urban Mobility Initiative (TUMI)?

- Ans
- 1. Portal for all information on electric vehicles
  - 2. Mobile app for state run buses and Indian railways
  - 3. Scheme for 100% electrification of broad gauge railway routes across India
  - 4. Electric Bus Coalition for Accelerating deployment of e-buses in India

Question ID : 26433098855  
Status : Answered  
Chosen Option : 4

Q.9 Henry Vivian Derozio is related to which of the following movement?

- Ans
- 1. Barelvi Movement
  - 2. Young Bengal Movement
  - 3. Wahabi Movement
  - 4. Ahmadiyya Movement

Question ID : 26433098497  
Status : Answered  
Chosen Option : 2

Q.10 Sir Michael O' Dwyer was the Lieutenant Governor of Punjab when the Jallianwala Bagh massacre occurred in Amritsar in 1919. Who among the following killed him after 21 years of the incident?

- Ans  1. Khudiram Bose  
 2. Sardar Udham Singh  
 3. Prafulla Chaki  
 4. Bhagat Singh

Question ID : 26433071417  
Status : Answered  
Chosen Option : 2

Q.11 हरित क्रांति में 'हरित' शब्द \_\_\_\_\_ को संदर्भित करता है।

- Ans  1. पैसे  
 2. फसलें  
 3. रंग  
 4. समृद्धि

Question ID : 26433054636  
Status : Answered  
Chosen Option : 2

Q.12 According to the census of India 2011, correctly match the distribution of population in percentage along with different states. Choose the correct option.

State	Distribution of population in percentage approximately
1 Andhra Pradesh	a 7
2 Maharashtra	b 9
3 Uttar Pradesh	c 16

- Ans  1. 1 - a, 2 - c, 3 - b  
 2. 1 - a, 2 - b, 3 - c  
 3. 1 - b, 2 - a, 3 - c  
 4. 1 - c, 2 - b, 3 - a

Question ID : 26433082195  
Status : Answered  
Chosen Option : 2

Q.13 Which of the following countries introduced world's first dual-mode vehicle that can run on roads and tracks?

- Ans  1. United State of America  
 2. Germany  
 3. Japan  
 4. China

Question ID : 26433098854  
Status : Answered  
Chosen Option : 3

Q.14 The 'e-Amrit' project launched by the Government of India in November 2021 is related to:

- Ans
- 1. milk products
  - 2. cereals and pulses
  - 3. electric vehicles
  - 4. forestation

Question ID : 26433082796  
Status : Marked For Review  
Chosen Option : 1

Q.15 In which of the following places in India, the day temperature rises to 50° Celsius and drops down to near 15° Celsius the same night?

- Ans
- 1. Thiruvananthapuram
  - 2. Drass
  - 3. Thar desert
  - 4. Chennai

Question ID : 26433067160  
Status : Answered  
Chosen Option : 3

Q.16 Which of the following does NOT include high powered money?

- Ans
- 1. Cash reserves of bank
  - 2. Other deposits of the RBI
  - 3. Post office savings
  - 4. Currency held by the public

Question ID : 26433054575  
Status : Answered  
Chosen Option : 4

Q.17 Law of giving effect to fundamental rights can only be made by the \_\_\_\_\_.

- Ans
- 1. High Court
  - 2. President
  - 3. Parliament
  - 4. Supreme Court

Question ID : 26433055539  
Status : Answered  
Chosen Option : 2

Q.18 Kailasanathar Temple is located in which of the following states of India?

- Ans
- 1. Karnataka
  - 2. Tamil Nadu
  - 3. Odisha
  - 4. Telangana

Question ID : 26433098488  
Status : Answered  
Chosen Option : 2

**Q.19** Which Indian political leader was awarded with Bhutan's highest civilian honour called the Order of the Druk Gyalpo in December 2021?

- Ans
- 1. Arvind Kejriwal
  - 2. Rahul Gandhi
  - 3. Narendra Modi
  - 4. Mamata Banerjee

Question ID : 26433074178  
Status : Answered  
Chosen Option : 3

**Q.20** Mehtab Bagh is the part of the which of the following famous monuments of India?

- Ans
- 1. Rashtrapati Bhavan
  - 2. Humayun's Tomb
  - 3. Taj Mahal
  - 4. Bibi Ka Maqbara

Question ID : 26433098503  
Status : Marked For Review  
Chosen Option : 2

Section : Part-B-General Science

**Q.1** The element having second highest electro negativity

- Ans
- 1. Fluorine
  - 2. Sulphur
  - 3. Oxygen
  - 4. Chlorine

Question ID : 26433098630  
Status : Answered  
Chosen Option : 1

**Q.2** Identify the correct statement about detergents.  
(I)Cationic detergents have germicidal properties and are expensive.  
(II)Liquid dishwashing detergents are non-ionic type.  
(III)Anionic detergents are also used in toothpastes.

- Ans
- 1. I and III
  - 2. I and II
  - 3. II and III
  - 4. I, II and III

Question ID : 26433098716  
Status : Answered  
Chosen Option : 1

**Q.3** Which of the following is CORRECT regarding Ohms law

- Ans
- 1.  $R = V$
  - 2.  $V \propto I$
  - 3.  $R \propto I$
  - 4.  $V = I$

Question ID : 26433098512  
Status : Answered  
Chosen Option : 2

Q.4 Which of the following is a soapy liquid with large molecular size of the order of  $10^{-9}$  m?

- Ans
- 1. Palmitic acid
  - 2. Stearic acid
  - 3. Lauric acid
  - 4. Oleic acid

Question ID : 26433098530  
Status : Answered  
Chosen Option : 3

Q.5 Which of the following elements has the highest Conductivity at 298.15 K?

- Ans
- 1. Gold
  - 2. Iron
  - 3. Copper
  - 4. Sodium

Question ID : 26433098590  
Status : Answered  
Chosen Option : 1

Q.6 A potential difference develops between the electrode and the electrolyte which is called

- Ans
- 1. Electrode potential
  - 2. Cell potential
  - 3. Cell electromotive force
  - 4. Standard electrode potential

Question ID : 26433098632  
Status : Answered  
Chosen Option : 2

Q.7 Who among the following was the first to obtain reliable estimates of molecular parameters from measurable quantities?

- Ans
- 1. James Clerk Maxwell
  - 2. Ludwig Boltzmann
  - 3. John Dalton
  - 4. Amedeo Avogadro

Question ID : 26433098674  
Status : Answered  
Chosen Option : 4

Q.8 Which of these models resembles the solar system in which the nucleus plays the role of sun and the electrons that of revolving planets?

- Ans
- 1. Röntgen Model of Atom
  - 2. Thomson Model of Atom
  - 3. Bohr's Model of Atom
  - 4. Rutherford's Nuclear Model of Atom

Question ID : 26433098693  
Status : Answered  
Chosen Option : 3

Q.9 The acceleration of a body moving in a circle of radius  $R$  with uniform speed  $v$  is  $v^2/R$  directed towards the centre. Then according to which law, the force  $f_c$  providing this acceleration is  $f_c = mv^2 / R$

- Ans
- 1. First law of motion
  - 2. Third law of motion
  - 3. Law of Gravitation
  - 4. Second law of motion

Question ID : 26433098573  
Status : Answered  
Chosen Option : 2

Q.10 Fill in the blanks with suitable words:  
'The resistance  $R$  not only depends on the \_\_\_\_\_ of the conductor but also on the \_\_\_\_\_ of the conductor.'

- Ans
- 1. Size, quality
  - 2. Material, conductivity
  - 3. Material, dimensions
  - 4. Shape, dimensions

Question ID : 26433098685  
Status : Answered  
Chosen Option : 3

Q.11 Which of the following drug was designed to prevent the interaction of histamine with the receptors present in the stomach wall?

- Ans
- 1. Ranitidine
  - 2. Cimetidine
  - 3. Terfenadine
  - 4. Histamine

Question ID : 26433098517  
Status : Answered  
Chosen Option : 1

Q.12 Who among the following concluded that an object moving on a frictionless horizontal plane must neither have acceleration nor retardation, i.e., it should move with constant velocity?

- Ans
- 1. Thomson
  - 2. Einstein
  - 3. Newton
  - 4. Galileo

Question ID : 26433098506  
Status : Answered  
Chosen Option : 3

Q.13 A choice of change of different units \_\_\_\_\_ the number of significant digits or figures in a measurement.

- Ans
- 1. None
  - 2. May or May not change
  - 3. Changes
  - 4. Does not change

Question ID : 26433098664  
Status : Answered  
Chosen Option : 2

Q.14 In which of the two places in India, a magnetic needle shows the true north quite accurately?

- Ans
- 1. Delhi and Mumbai
  - 2. Kolkata and Delhi
  - 3. Mumbai and Kolkata
  - 4. Delhi and Chennai

Question ID : 26433098558  
Status : Answered  
Chosen Option : 3

Q.15 Which of the following quantity's dimension is [  $MLT^{-1}$  ]

- Ans
- 1. Force.
  - 2. Static friction.
  - 3. Momentum.
  - 4. Kinetic friction.

Question ID : 26433098507  
Status : Answered  
Chosen Option : 1

Q.16 A superconductor repels a magnet and is repelled by the magnet. The phenomenon of perfect diamagnetism in superconductor is called

- Ans
- 1. Lenz's law
  - 2. None
  - 3. Meissner effect
  - 4. Both A and B

Question ID : 26433098646  
Status : Answered  
Chosen Option : 1

Q.17 Which of the following is NOT used in antiseptics?

- Ans
- 1. Furacine
  - 2. Veronal
  - 3. Terpineol
  - 4. Iodine

Question ID : 26433098584  
Status : Answered  
Chosen Option : 1

Q.18 Which of the following suggested that the smallest constituent of gases like hydrogen, oxygen and nitrogen are not atoms but diatomic molecules?

- Ans
- 1. James Clerk Maxwell
  - 2. Ludwig Boltzmann
  - 3. John Dalton
  - 4. Amedeo Avogadro

Question ID : 26433098699  
Status : Answered  
Chosen Option : 1

Q.19 Which of the following is INCORRECT about gravitational force?

- Ans
- 1. Directly proportional to product of point masses
  - 2. Always attractive in nature
  - 3. Inversely proportional to square of distance between point masses
  - 4. It depends on surrounding

Question ID : 26433098662  
Status : Answered  
Chosen Option : 4

Q.20 What is the Value of gravitational constant?

- Ans
- 1.  $G = 6.67 \times 10^{12} \text{ N m}^2/\text{kg}^2$
  - 2.  $G = 6.67 \times 10^{-12} \text{ N m}^2/\text{kg}^2$
  - 3.  $G = 6.67 \times 10^{-11} \text{ N m}^2/\text{kg}^2$
  - 4.  $G = 6.67 \times 10^{11} \text{ N m}^2/\text{kg}^2$

Question ID : 26433098617  
Status : Answered  
Chosen Option : 1

Q.21 \_\_\_\_\_ is the vertical plane which passes through the imaginary line joining the magnetic north and south poles.

- Ans
- 1. Geographic meridian
  - 2. Inclination
  - 3. Declination
  - 4. Magnetic meridian

Question ID : 26433098624  
Status : Answered  
Chosen Option : 1



**Q.22** Given are the statements about fuel cells. Identify the correct statements.  
(I) Fuel cells convert the energy of combustion of fuels like hydrogen, methane, methanol, etc. directly into electrical energy.  
(II) Fuel cells produce electricity with an efficiency of about 70 % compared to thermal plants whose efficiency is about 40%.  
(III) There has been tremendous progress in the development of new electrode materials, better catalysts and electrolytes for increasing the efficiency of fuel cells.  
(IV) Only problem with fuel cells are that these are not pollution free.

- Ans
- 1. I, II, III and IV
  - 2. I and III
  - 3. I, II and III
  - 4. II and IV

Question ID : 26433098698  
Status : Answered  
Chosen Option : 3

**Q.23** Size of atom is

- Ans
- 1.  $1.2 \times 10^{10}$  m in radius
  - 2.  $1.2 \times 10^{-10}$  m in radius
  - 3.  $2.2 \times 10^{-15}$  m in radius
  - 4.  $2.2 \times 10^{-10}$  m in radius

Question ID : 26433098609  
Status : Answered  
Chosen Option : 2

**Q.24** \_\_\_\_\_ are those errors that tend to be in one direction, either positive or negative.

- Ans
- 1. Random error
  - 2. Systematic error
  - 3. Instrumental error
  - 4. Personal error

Question ID : 26433098644  
Status : Answered  
Chosen Option : 3

**Q.25** Which of the following statement is NOT correct regarding drugs?

- Ans
- 1. Birth control pills essentially contain a mixture of synthetic estrogen and progesterone derivatives
  - 2. Disinfectants are applied to inanimate objects such as floors, drainage system, instruments, etc.
  - 3. Norethindrone is an example of synthetic progesterone derivative most widely used as antifertility drug.
  - 4. Chlorine in the concentration of 0.2 to 0.4 ppm in aqueous solution and sulphur dioxide in very low concentrations, are analgesics.

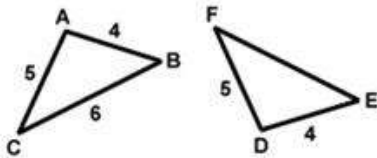
Question ID : 26433098690  
Status : Answered  
Chosen Option : 2

Q.1 A man invested Rs.96,000 at the rate of 20% per annum, compounded half-yearly for 1 year. What would be 80% of the amount (in Rs.) which he will get on maturity?

- Ans  1. 98,922  
 2. 92,928  
 3. 1,09,856  
 4. 1,16,160

Question ID : 26433063231  
Status : Answered  
Chosen Option : 2

Q.2 If triangle ABC is congruent to triangle DEF, then EF= \_\_\_\_\_.



- Ans  1. 9  
 2. 5  
 3. 6  
 4. 4

Question ID : 26433061619  
Status : Answered  
Chosen Option : 3

Q.3 Two concentric circles are of radius 12 cm and  $r$  cm, respectively, where  $r > 12$  cm. A chord of the larger circle of length 32 cm touches the smaller circle. Find the radius  $r$ ?

- Ans  1. 12 cm  
 2. 20 cm  
 3. 18 cm  
 4. 16 cm

Question ID : 26433061752  
Status : Answered  
Chosen Option : 2

Q.4 The average of five consecutive even numbers is 66. Find the difference between the highest and the lowest numbers.

- Ans  1. 8  
 2. 10  
 3. 6  
 4. 4

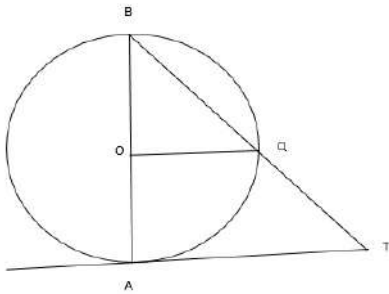
Question ID : 26433081540  
Status : Answered  
Chosen Option : 1

Q.5 In a manufacturing plant, Jack, Smith and Annie can do a job of manufacturing plates in 15, 20 and 30 days, respectively. In how many days can they finish the work together?

- Ans
- 1. 20 days
  - 2. 7 days
  - 3.  $\frac{20}{3}$  days
  - 4.  $\frac{16}{5}$  days

Question ID : 26433071235  
Status : Answered  
Chosen Option : 3

Q.6 In the given figure, AB is the diameter of a circle with center O and AT is a tangent if  $\angle AOQ = 68^\circ$ , then what is  $\angle ATQ$ ?



- Ans
- 1.  $65^\circ$
  - 2.  $62^\circ$
  - 3.  $56^\circ$
  - 4.  $51^\circ$

Question ID : 26433064948  
Status : Answered  
Chosen Option : 2

Q.7 Ramesh sold his bike for ₹16,384 and incurred a loss of 20%. At what price should he have sold the bike to gain a profit of 30%?

- Ans
- 1. ₹27,824
  - 2. ₹26,724
  - 3. ₹26,624
  - 4. ₹26,800

Question ID : 26433061727  
Status : Answered  
Chosen Option : 3

Q.8

$$\frac{1 - \frac{5}{8} \div \frac{24}{63} \times \frac{24}{63}}{1 + \frac{3}{8} \div \frac{23}{81} \times \frac{23}{81}} = ?$$

Ans

1.  $\frac{4}{11}$

2.  $\frac{9}{11}$

3.  $\frac{2}{11}$

4.  $\frac{3}{11}$

Question ID : 26433061054

Status : Answered

Chosen Option : 4

Q.9 If the solution of the pair of equations :

$5x - 6y = 57$  and  $7x - 4y = 49$  is also a solution of the equation  $4x + my = 19$ , then what is the value of  $m$ ?

Ans

1.  $-2$

2.  $1$

3.  $-1$

4.  $3$

Question ID : 26433098477

Status : Answered

Chosen Option : 3

Q.10 Among 18 members of a cricket club, there are 2 wicketkeepers and 5 bowlers. In how many ways can a team of 11 players be selected to include only one of the wicketkeeper and atleast three bowlers?

Ans

1. 7524

2. 11682

3. 12144

4. 11220

Question ID : 26433098444

Status : Answered

Chosen Option : 2

Q.11 A can do a work in 8 days and B in 12 days. If they work together on it for 3 days, then the fraction of the work that is left is:

Ans

1.  $\frac{8}{3}$

2.  $\frac{7}{8}$

3.  $\frac{3}{8}$

4.  $\frac{5}{8}$

Question ID : 26433064031

Status : Answered

Chosen Option : 3

**Q.12** In a room, there are some children and some benches. If 5 children sit on each bench, 2 children will have no bench to sit on. If 6 children sit on each bench, then one bench remains unoccupied. What is the sum of the number of children and the number of benches?

- Ans**
- 1. 52
  - 2. 50
  - 3. 49
  - 4. 53

Question ID : 26433098470  
Status : Answered  
Chosen Option : 2

**Q.13** A person P purchases a washing machine for Rs.22,000 cash or for Rs.9,000 cash down payment and two monthly instalments of Rs.8,000 each. The rate of the simple interest is:

- Ans**
- 1. 215%
  - 2. 240%
  - 3. 250%
  - 4. 200%

Question ID : 26433075320  
Status : Answered  
Chosen Option : 1

**Q.14** Find the value of  $2\operatorname{cosec}^2 23^\circ \cot^2 67^\circ - \sin^2 23^\circ - \sin^2 67^\circ - \cot^2 67^\circ$ .

- Ans**
- 1.  $\sec^2 23^\circ$
  - 2. 1
  - 3.  $\tan^2 23^\circ$
  - 4. 0

Question ID : 26433075374  
Status : Answered  
Chosen Option : 1

**Q.15** If  $\frac{y^2-1}{y} = 6$ , then the value of  $\frac{y^6-1}{y^3}$  will be:

- Ans**
- 1. 234
  - 2. 220
  - 3. 254
  - 4. 184

Question ID : 26433061109  
Status : Answered  
Chosen Option : 1

Q.16 The list price of an article is Rs.1,200. If it is available on a discount series of 10%, 8% and 5%, the selling price of the article is:

- Ans
- 1. Rs.812.76
  - 2. Rs.943.92
  - 3. Rs.1,080.00
  - 4. Rs.993.60

Question ID : 26433063872  
Status : Answered  
Chosen Option : 2

Q.17 Simplify the following expression.

$$\frac{1243 \times 1243 - 928 \times 928}{315}$$

- Ans
- 1. 2171
  - 2. 928
  - 3. 1243
  - 4. 315

Question ID : 26433080274  
Status : Answered  
Chosen Option : 1

Q.18 The price of an A.C. is first increased by 16%, and later on, the price is decreased by 22% due to reduction in sales. Find the net percentage change in final price of the A.C.

- Ans
- 1. Decrease of 19.25%
  - 2. Decrease of 9.52%
  - 3. Increase of 9.52%
  - 4. Increase of 19.25%

Question ID : 26433063684  
Status : Answered  
Chosen Option : 2

Q.19 The radius of a roller is 56 cm and its length is 240 cm. It takes 875 complete revolutions to move once over to the level of a playground. Find the area of the playground.

- Ans
- 1. 7392 m<sup>2</sup>
  - 2. 8400 m<sup>2</sup>
  - 3. 6389 m<sup>2</sup>
  - 4. 7650 m<sup>2</sup>

Question ID : 26433061291  
Status : Answered  
Chosen Option : 4

**Q.20** Two trains start at the same time from stations P and Q, 1800 km apart, and proceed towards each other at an average speed of 108 km/h and 92km/h, respectively. The trains will meet at:

- Ans
- 1. 828 km from station P
  - 2. 972 km from station Q
  - 3. 540 km from Station Q
  - 4. 972 km from station P

Question ID : 26433062648  
Status : Answered  
Chosen Option : 4

**Q.21** In  $\triangle ABC$ ,  $\angle B = 90^\circ$  and  $BD \perp AC$ . If  $AC = 9$  cm and  $AD = 3$  cm, then  $BD$  is equal to:

- Ans
- 1.  $2\sqrt{3}$  cm
  - 2.  $3\sqrt{3}$  cm
  - 3.  $2\sqrt{2}$  cm
  - 4.  $3\sqrt{2}$  cm

Question ID : 26433079784  
Status : Answered  
Chosen Option : 4

**Q.22** A radii of the bases of the two cylinders are in the ratio 5 : 7 and their height are in the ratio 3 : 5. Find the ratio of their curved surface areas.

- Ans
- 1. 9 : 8
  - 2. 2 : 7
  - 3. 3 : 5
  - 4. 3 : 7

Question ID : 26433061290  
Status : Answered  
Chosen Option : 4

**Q.23** The following table shows the marks of students A, B, C, D and E in three subjects out of 100 each.

Name	English	Maths	Science
A	65	68	69
B	76	74	72
C	68	72	71
D	66	73	71
E	77	78	78

Which of the following students obtained the highest marks in aggregate?

- Ans
- 1. C
  - 2. D
  - 3. E
  - 4. B

Question ID : 26433075083  
Status : Answered  
Chosen Option : 3

**Q.24** Ram, Shyam and Ghanshyam have ₹32, ₹46 and ₹50, respectively, with them. Their mother asks them to give her equal amounts so that the money held by them now are in continued proportion. Find the amount taken from each of them.

- Ans
- 1. ₹91.36
  - 2. ₹51.78
  - 3. ₹91.78
  - 4. ₹51.60

Question ID : 26433061733  
Status : Answered  
Chosen Option : 2

**Q.25** If  $(3x + 4y)(5x - 6y) = ax^2 + 2hxy + by^2$ , then what is the value of  $(4a - h + 2b)$ ?

- Ans
- 1. 13
  - 2. 107
  - 3. 108
  - 4. 11

Question ID : 26433098475  
Status : Answered  
Chosen Option : 3

Section : Part-D-Reasoning

**Q.1** In a certain code language, 'AIR' is written as '84', and 'CHAIR' is written as '195'. How will 'LAND' be written in that language?

- Ans
- 1. 124
  - 2. 128
  - 3. 120
  - 4. 132

Question ID : 26433055712  
Status : Answered  
Chosen Option : 1

**Q.2** Which of the following numbers will replace the question mark (?) in the given series?  
5, 7, 12, 19, ?, 50

- Ans
- 1. 30
  - 2. 29
  - 3. 31
  - 4. 34

Question ID : 26433056432  
Status : Answered  
Chosen Option : 3

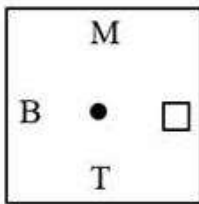


**Q.3** Select the figure from among the given options that can replace the question mark (?) in the following series.

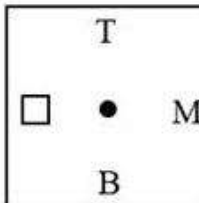
T	□	M	B	
□ A B M ☆ T B # □ T ↑ M				?
M	B	T	□	

Ans

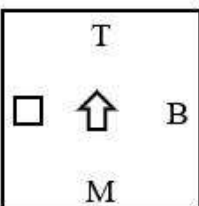
✗ 1.



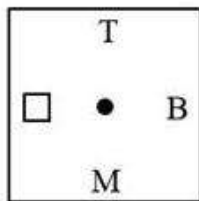
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433056822

Status : Answered

Chosen Option : 4

**Q.4** 'A % B' means 'A is the husband of B'.  
 'A & B' means 'A is the daughter of B'.  
 'A @ B' means 'A is the wife of B'.  
 'A # B' means 'A is the father of B'.  
 If P @ Q # B % Y & C @ E, then how is B related to E?

Ans ✗ 1. Father-in-law

✗ 2. Mother

✓ 3. Son-in-law

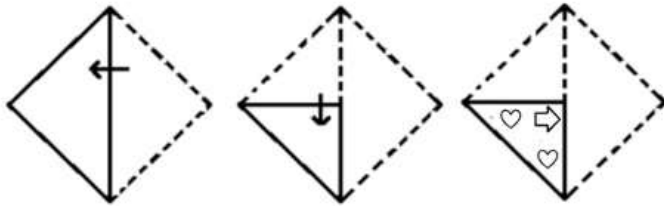
✗ 4. Father

Question ID : 26433068266

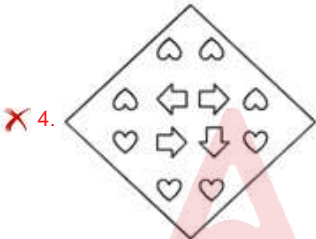
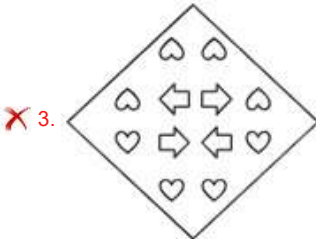
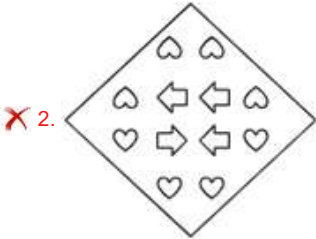
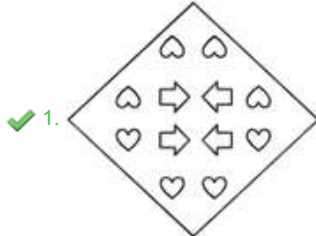
Status : Answered

Chosen Option : 3

Q.5 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 26433080547

Status : Answered

Chosen Option : 1

Q.6 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

g e l a \_ \_ \_ k \_ e \_ a r x t k g e l \_ r \_ t \_

Ans ✗ 1. rxxgalkt

✗ 2. rxglaxkt

✓ 3. rxtglaxk

✗ 4. rxlgaxkt

Question ID : 26433056249

Status : Answered

Chosen Option : 3

Q.7 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.

$$37 * 23 * 15 * (64 * 4) * 5 * 125$$

- Ans
- 1.  $\times, +, -, =, +, +$
  - 2.  $+, +, =, +, -, \times$
  - 3.  $+, -, +, -, \times, =$
  - 4.  $+, -, +, +, \times, =$

Question ID : 26433057645

Status : Answered

Chosen Option : 4

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some mountains are lakes.

Some lakes are fountains.

All fountains are cars.

Conclusions:

I. Some cars are lakes.

II. Some cars are mountains.

III. Some fountains are mountains.

- Ans
- 1. Only conclusion II follows
  - 2. Only conclusion III follows
  - 3. Only conclusion I follows
  - 4. None of the conclusions follow

Question ID : 26433068544

Status : Answered

Chosen Option : 3

Q.9 Six students are sitting around a circular table facing the centre. Tulsi is sitting second to the right of Lata. Tulsi is an immediate neighbour of both Devi and Jaya. Amar is sitting second to the right of Tulsi. Amar is an immediate neighbour of both Manu and Jaya. Who is sitting between Amar and Lata?

- Ans
- 1. Jaya
  - 2. Tulsi
  - 3. Manu
  - 4. Devi

Question ID : 26433055675

Status : Answered

Chosen Option : 3

**Q.10** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some umbrellas are mobiles.

Some mobiles are pens.

Some pens are erasers.

Conclusions:

I. Some erasers are mobiles.

II. Some pens are umbrellas.

III. Some erasers are umbrellas.

Ans  1. None of the conclusions follow

2. Only conclusion I follows

3. Only conclusion II follows

4. Only conclusion III follows

Question ID : 26433068545

Status : Answered

Chosen Option : 1

**Q.11** There are five friends Annie, Babila, Charu, Diksha, Era. Annie is taller than Babila but not taller than Charu. Charu and Diksha are of the same height. Annie is shorter than Era. Who is shortest amongst all?

Ans  1. Era

2. Annie

3. Babila

4. Diksha

Question ID : 26433056547

Status : Answered

Chosen Option : 3

**Q.12** Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)

(12, 71, 3408)

(3, 18, 216)

Ans  1. (13, 5, 455)

2. (9, 18, 648)

3. (41, 1148, 7)

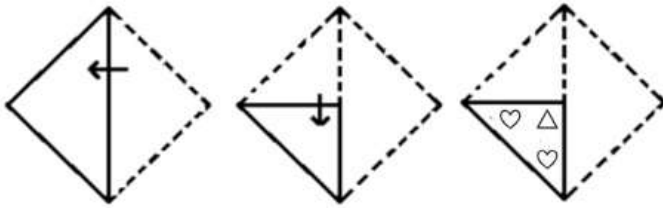
4. (23, 15, 345)

Question ID : 26433056500

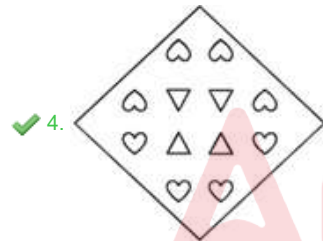
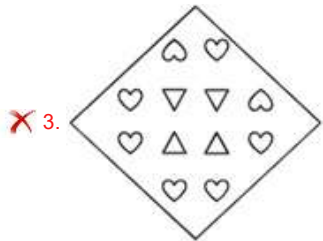
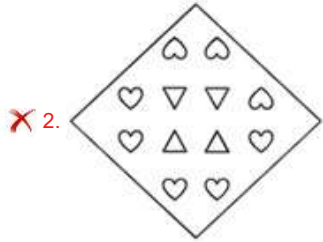
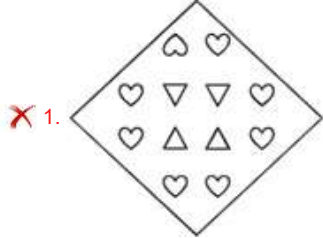
Status : Answered

Chosen Option : 1

Q.13 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 26433080545

Status : Answered

Chosen Option : 4

Q.14 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.

$$(\sqrt{289} * 2) * 64 * (96 * 4) * 6$$

Ans ✗ 1. +, =, +, +, -

✗ 2. x, +, =, +, +

✓ 3. x, =, -, +, -

✗ 4. -, x, =, -, +

Question ID : 26433057647

Status : Answered

Chosen Option : 3

Q.15 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Logwood
2. Logarithm
3. Logically
4. Logophile
5. Logistic
6. Logotype

- Ans
- 1. 2, 5, 3, 4, 6, 1
  - 2. 2, 3, 5, 4, 6, 1
  - 3. 2, 5, 3, 6, 1, 4
  - 4. 2, 3, 5, 1, 4, 6

Question ID : 26433098354  
Status : Answered  
Chosen Option : 2

Q.16 Seven people, A, B, C, D, E, F and G, are sitting in a straight row, facing north. Only two people sit to the right of D. Only two people sit to the left of C. Only two people sit between D and G. Only three people sit between C and E. A is not an immediate neighbour of D. B sits to the right of D. Who sits at the extreme left?

- Ans
- 1. F
  - 2. G
  - 3. E
  - 4. A

Question ID : 26433055896  
Status : Answered  
Chosen Option : 4

Q.17 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.  
\_ O N \_ O \_ L O \_ D \_ \_ L \_ N \_ O N \_ \_ N D \_ N

- Ans
- 1. LDNNONODLOO
  - 2. NONODOLOLDN
  - 3. LDNONNNOOLD
  - 4. NONDOOLOODL

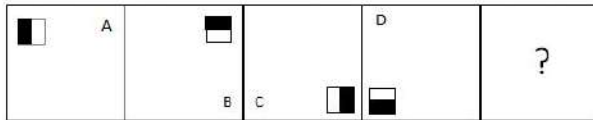
Question ID : 26433056393  
Status : Answered  
Chosen Option : 1

Q.18 In a certain code language, 'PIGEON' is written as 'OPFHJQ' and 'TURKEY' is written as 'ZFLSVU'. How will 'PARROT' be written in that language?

- Ans
- 1. UPSTCQ
  - 2. UPSSBQ
  - 3. VPSTBQ
  - 4. VQSTCQ

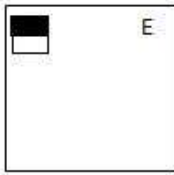
Question ID : 26433098347  
Status : Answered  
Chosen Option : 2

Q.19 Select the figure that will come in place of the question mark (?) in the following figure series.

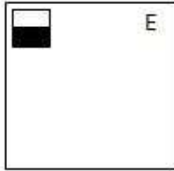


Ans

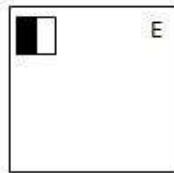
✗ 1.



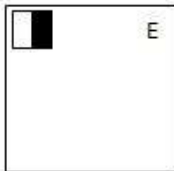
✗ 2.



✓ 3.



✗ 4.



Question ID : 26433056957  
Status : Answered  
Chosen Option : 3

Q.20 If

'M = N' means 'M is the father of N',  
'M # N' means 'M is the sister's son of N',  
'M × N' means 'M is the husband of N',  
'M & N' means 'M is the sister of N',  
'M \$ N' means 'M is the wife of N', and  
'M @ N' means 'M is the brother of N',  
then how is A related to C in the following expression?  
A # L = K & P @ C = B

Ans ✗ 1. Sibling

✗ 2. Sister-in-law

✗ 3. Maternal aunt

✓ 4. Paternal cousin

Question ID : 26433098332  
Status : Answered  
Chosen Option : 4

Q.1 In MS-Excel 2010, a \_\_\_\_\_ is at the bottom, where various information about the current mode or any special keys that are engaged can be seen.

- Ans
- 1. Task bar
  - 2. Title bar
  - 3. Status bar
  - 4. Tool bar

Question ID : 26433098369  
Status : Answered  
Chosen Option : 3

Q.2 Cc in an email stand for :

- Ans
- 1. Copy Carbon
  - 2. Carbon Copy
  - 3. Copy Column
  - 4. Column Copy

Question ID : 26433098376  
Status : Answered  
Chosen Option : 2

Q.3 The \_\_\_\_\_ shortcut key is used to select the entire row in MS-Excel 2010.

- Ans
- 1. Alt + Spacebar
  - 2. Ctrl + Alt + Spacebar
  - 3. Shift + Spacebar
  - 4. Ctrl + Spacebar

Question ID : 26433098379  
Status : Answered  
Chosen Option : 3

Q.4 \_\_\_\_\_ is not a search engine.

- Ans
- 1. Google
  - 2. Yandex
  - 3. Gmail
  - 4. Bing

Question ID : 26433098387  
Status : Answered  
Chosen Option : 3



**Q.5** Which of the following built-in function is used to generate random text when creating a MS-Word 2010 document, template for mockup?

- Ans**
- 1. CREATE
  - 2. RANDOM
  - 3. GENERATE
  - 4. RAND

Question ID : 26433098415  
Status : Answered  
Chosen Option : 4

**Q.6** Bing search engine is owned by \_\_\_\_\_.

- Ans**
- 1. Amazon
  - 2. Microsoft
  - 3. Google
  - 4. Yahoo

Question ID : 26433098388  
Status : Answered  
Chosen Option : 4

**Q.7** In MS-Excel 2010, which of the following shortcut is used to open the delete dialog box to deleted selected cells?

- Ans**
- 1. Ctrl + '-'
  - 2. Shift + '-'
  - 3. F4
  - 4. Alt + '-'

Question ID : 26433098371  
Status : Marked For Review  
Chosen Option : 1

**Q.8** Which of the following text formatting task is achieved with the help of keyboard shortcut 'Ctrl + E' in MS-Word 2010?

- Ans**
- 1. Justify
  - 2. Align Right
  - 3. Align Left
  - 4. Align Center

Question ID : 26433098424  
Status : Answered  
Chosen Option : 4

**Q.9** In MS-Excel 2010, if value in cell A3 is 300, value in cell B3 is 225, value in cell C3 is 180, D3 value in cell is 350 and value in cell E3 is 400 then the formula '=AVERAGE(A3,B3,C3,D3,E3)' in cell F3 will give value as \_\_\_\_\_.

- Ans**
- 1. 297
  - 2. 291
  - 3. 292
  - 4. 290

Question ID : 26433098361  
Status : Answered  
Chosen Option : 2

Q.10 To reverse the changes done in MS-Excel 2010 sheet, \_\_\_\_\_ is used.

- Ans
- 1. Ctrl + V
  - 2. Ctrl + O
  - 3. Ctrl + Z
  - 4. Ctrl + X

Question ID : 26433098400  
Status : Answered  
Chosen Option : 3



## Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Sandalpur
Exam Date	28/10/2022
Exam Time	12:30 PM - 2:00 PM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

### Section : Part-A-General Awareness

**Q.1** In which of the following regions did the Indigo Peasant Rebellion occur?

- Ans
- 1. Mysore
  - 2. Hyderabad
  - 3. Bengal
  - 4. Awadh

Question ID : 26433085267  
Status : Answered  
Chosen Option : 3

**Q.2** Who among the following was the author of Satyarth Prakash written in 1875?

- Ans
- 1. Raja Ram Mohan Roy
  - 2. Ramakrishna Paramhansa
  - 3. Swami Vivekanand
  - 4. Dayanand Saraswati

Question ID : 26433065571  
Status : Answered  
Chosen Option : 4

**Q.3** The growth of revenue deficit as a percent of fiscal deficit may NOT indicate \_\_\_\_\_.

- Ans
- 1. an increase in the government revenue
  - 2. lowering the capital formation
  - 3. deterioration in the quality of government expenditure
  - 4. increase in public welfare

Question ID : 26433054564  
Status : Answered  
Chosen Option : 1

**Q.4** Which of the following is NOT true?

- Ans
- 1. In 2019, India ranked 2<sup>nd</sup> among the world crude steel producers.
  - 2. In 2019, India ranked 1<sup>st</sup> in per capita consumption of finished steel.
  - 3. In 2019, India was the largest producer of sponge iron.
  - 4. In 2019, India produced 111 million tonnes of crude steel.

Question ID : 26433092876  
Status : Answered  
Chosen Option : 4

**Q.5 Who among the following national leaders of British India was the first to form the Home Rule League in April 1916 in Poona?**

- Ans  1. Annie Besant  
 2. Bal Gangadhar Tilak  
 3. Madan Mohan Malviya  
 4. Indulal Yagnik

Question ID : 26433065567  
Status : Answered  
Chosen Option : 4

**Q.6 Which of the following Mughal rulers built the imperial capital Shahjahanabad?**

- Ans  1. Shahjahan  
 2. Akbar  
 3. Jahangir  
 4. Babur

Question ID : 26433054229  
Status : Answered  
Chosen Option : 4

**Q.7 In Asia Cup 2022, against which of the following countries Virat Kohli scored an unbeaten 122 off 61 balls?**

- Ans  1. Sri Lanka  
 2. Afghanistan  
 3. Pakistan  
 4. Bangladesh

Question ID : 26433098490  
Status : Answered  
Chosen Option : 4

**Q.8 The Tomb of Itimad-ud-Daulaha is located at \_\_\_\_\_**

- Ans  1. Kanpur  
 2. Agra  
 3. Delhi  
 4. Lucknow

Question ID : 26433098493  
Status : Answered  
Chosen Option : 1

**Q.9 Which of the following Bharatnatyam dancers received the prestigious title 'Sangeetha kala Vibhushanam' 2020 in Mumbai?**

- Ans  1. Shijith Nambiar and Parvathy Menon  
 2. Kiran Subramanyam and Sandya Kiran  
 3. Shanta and Vannadil Pudiaveetil Dhananjay  
 4. Raja and Radha Reddy

Question ID : 26433074838  
Status : Answered  
Chosen Option : 4

Q.10 Which of the following is a Fundamental Duty of a citizen?

- Ans  1. To preserve rich heritage  
 2. To indulge in a profitable trade  
 3. To propagate religion  
 4. To set up educational institutions

Question ID : 26433071651  
Status : Answered  
Chosen Option : 1

Q.11 The \_\_\_\_\_ festival is celebrated thrice in a year in Assam.

- Ans  1. Doljatra  
 2. Hareli  
 3. Bihu  
 4. Kajari

Question ID : 26433054224  
Status : Answered  
Chosen Option : 3

Q.12 As per the Multidimensional Poverty Index national (MPI) Report by Niti Aayog in 2021, what is the score of India?

- Ans  1. 0.811  
 2. 0.118  
 3. 0.818  
 4. 0.111

Question ID : 26433067219  
Status : Answered  
Chosen Option : 1

Q.13 Researchers from which institute built a portable desalination unit that generates clear, clean drinking water without the need for filters or high-pressure pumps in April 2022?

- Ans  1. Nanyang Technological University, Singapore  
 2. The Hong Kong University of Science and Technology, Hong Kong  
 3. Delft University of Technology, Netherlands  
 4. Massachusetts Institute of Technology, USA

Question ID : 26433098856  
Status : Answered  
Chosen Option : 1

Q.14 The crude literacy rate in India according to the 2011 Census is \_\_\_\_\_.

- Ans  1. 64.32%  
 2. 64.83 %  
 3. 82.14%  
 4. 65.56%

Question ID : 26433081925  
Status : Answered  
Chosen Option : 3

Q.15 Which of the following state governments announced in March 2022 to confer the Sushma Swaraj Award on women for their contribution to different walks of life?

- Ans
- 1. Haryana
  - 2. Uttarakhand
  - 3. Punjab
  - 4. Uttar Pradesh

Question ID : 26433074174  
Status : Answered  
Chosen Option : 2

Q.16 What was Turkan-i-Chahalgani formed by Iltutmish?

- Ans
- 1. Group of 40 elite warriors
  - 2. Group of transferable generals of army
  - 3. Group of 40 trusted slaves
  - 4. Group of 40 Turkish Amirs

Question ID : 26433098825  
Status : Answered  
Chosen Option : 1

Q.17 Which state of India records the highest reserves of lignite coal as reflected in the data of 2014 from the Mines and Minerals Yearbook?

- Ans
- 1. Gujarat
  - 2. Tamil Nadu
  - 3. Jammu and Kashmir
  - 4. Rajasthan

Question ID : 26433067194  
Status : Answered  
Chosen Option : 4

Q.18 Which of the following is NOT a benefit of SHGs?

- Ans
- 1. Social integrity
  - 2. Gender bias
  - 3. Banking literacy
  - 4. Financial inclusion

Question ID : 26433054571  
Status : Answered  
Chosen Option : 2

Q.19 Which of the following is a first-of-its-kind hardware/software product which attaches to power wheelchairs to provide security, stability and connectivity through cloud and sensor-fusion technologies launched in February 2021?

- Ans
- 1. LEXI
  - 2. PIE
  - 3. LUCI
  - 4. AMY

Question ID : 26433098832  
Status : Answered  
Chosen Option : 3

**Q.20** When did the Rolling Plan come into effect?

- Ans
- 1. After the sixth Five-Year Plan
  - 2. After the seventh Five-Year Plan
  - 3. After the fourth Five-Year Plan
  - 4. After the fifth Five-Year Plan

Question ID : 26433054598  
Status : Answered  
Chosen Option : 3

Section : Part-B-General Science

**Q.1** The location magnetic south pole of earth's magnet is at 79.74° S, 108.22° E in the \_\_\_\_\_,

- Ans
- 1. New Zealand
  - 2. Australia
  - 3. Antarctica
  - 4. Canada

Question ID : 26433098515  
Status : Answered  
Chosen Option : 2

**Q.2** The word magnet is derived from

- Ans
- 1. Magnesia
  - 2. Electromagnet
  - 3. Ferromagnet
  - 4. Temporary magnet

Question ID : 26433098622  
Status : Answered  
Chosen Option : 2

**Q.3** Find the speed of a vehicle in  $\text{km h}^{-1}$  if its speed is  $5 \text{ m s}^{-1}$ ?

- Ans
- 1. 72
  - 2. 20
  - 3. 18
  - 4. 36

Question ID : 26433098577  
Status : Answered  
Chosen Option : 3

**Q.4** Norethindrone is

- Ans
- 1. combination of estrogen and progesterone
  - 2. synthetic estrogen derivative
  - 3. synthetic progesterone derivative
  - 4. Enzyme inhibitors

Question ID : 26433098652  
Status : Answered  
Chosen Option : 1

Q.5 Identify the correct option which correctly fill up the blanks in the below three statements related to compass.

(I) A compass needle consists of a \_\_\_\_\_ needle which floats on a pivotal point.

(II) Knowing the magnetic \_\_\_\_\_ at a place allows us to correct the compass to determine the direction of true north.

(III) In some places on the earth there are deposits of \_\_\_\_\_ which cause the compass needle to deviate from the magnetic meridian.

- Ans
- 1. I- Magnetic, II-direction, III- Magnetic minerals
  - 2. I- Magnetic, II-declination, III- electrochemical minerals
  - 3. I-Electric, II-direction, III-electric minerals
  - 4. I-Magnetic, II-declination, III- Magnetic minerals

Question ID : 26433098688

Status : Answered

Chosen Option : 1

Q.6 When the concentrations of all the species involved in a half-cell is unity then the electrode potential is known as \_\_\_\_\_

- Ans
- 1. Redox potential
  - 2. Half-cell potential
  - 3. Standard electrode potential
  - 4. Single potential

Question ID : 26433098696

Status : Answered

Chosen Option : 2

Q.7 The dimension of resistivity is \_\_\_\_\_.

- Ans
- 1.  $[M L^{-2} T^3 A^{-2}]$
  - 2.  $[M L^{-3} T^3 A^{-2}]$
  - 3.  $[M L^3 T^{-3} A^{-2}]$
  - 4.  $[M L^3 T^{-2} A^{-2}]$

Question ID : 26433098513

Status : Answered

Chosen Option : 4

Q.8 What is the size of a proton?

- Ans
- 1.  $10^{-15}$
  - 2.  $10^{-14}$
  - 3.  $10^{-16}$
  - 4.  $10^{-12}$

Question ID : 26433098621

Status : Answered

Chosen Option : 4

Q.9 A body of mass 10 kg is acted upon by two perpendicular forces 6 N and 8 N. What will be the magnitude of acceleration of body

- Ans
- 1.  $a = 2 \text{ ms}^{-2}$
  - 2.  $a = 1 \text{ ms}^{-2}$
  - 3.  $a=0$
  - 4.  $a = 10 \text{ Nkg}$

Question ID : 26433098639

Status : Answered

Chosen Option : 1



Q.10 Newton's masterpiece *Philosophiae Naturalis Principia Mathematica* was often simply called the \_\_\_\_\_

- Ans
- 1. Philosophiae
  - 2. Naturalis
  - 3. Mathematica
  - 4. Principia

Question ID : 26433098704  
Status : Answered  
Chosen Option : 4

Q.11 A batter hits back a ball straight in the direction of the bowler without changing its initial speed of  $20 \text{ m s}^{-1}$ , If the mass of the ball is  $0.25 \text{ kg}$ , determine the impulse imparted to the ball. (Assume linear motion of the ball)?

- Ans
- 1.  $62.5 \text{ N s}$
  - 2.  $5 \text{ N s}$
  - 3.  $6.25 \text{ N s}$
  - 4.  $10 \text{ N s}$

Question ID : 26433098508  
Status : Answered  
Chosen Option : 2

Q.12 The concentration of ozone above which breathing becomes uncomfortable resulting in headache and nausea?

- Ans
- 1. 101 parts per million
  - 2. 100 parts per million
  - 3. 102 parts per million
  - 4. 10 parts per million

Question ID : 26433098672  
Status : Answered  
Chosen Option : 1

Q.13 What is the number of base units in *Système Internationale d' Unites* (French for International System of Units), abbreviated as SI?

- Ans
- 1. 7
  - 2. 9
  - 3. 6
  - 4. 8

Question ID : 26433098681  
Status : Answered  
Chosen Option : 1

Q.14 इलेक्ट्रॉनिक चालकत्व (electronic conductance) निम्नलिखित में से किस पर निर्भर नहीं करता है?

- Ans
- 1. तापमान
  - 2. धातु की प्रकृति और संरचना
  - 3. प्रति परमाणु संयोजी इलेक्ट्रॉनों की संख्या
  - 4. दाब

Question ID : 26433098673  
Status : Answered  
Chosen Option : 4

Q.15 The product of mass (m) of an object and its velocity (v) =

- Ans  1. Force  
 2. Momentum  
 3. Acceleration  
 4. Displacement

Question ID : 26433098528  
Status : Answered  
Chosen Option : 2

Q.16 What is INCORRECT about current?

- Ans  1. Currents follows vector law of addition  
 2. It is scalar quantity  
 3. Current through a given area of a conductor is the net charge passing per unit time through the area.  
 4. Currents do not obey the law of vector addition

Question ID : 26433098666  
Status : Answered  
Chosen Option : 1

Q.17 Who among the following was able to explain the photoelectric effect using Planck's quantum theory of electromagnetic radiation as a starting point?

- Ans  1. Faraday.  
 2. Edison.  
 3. Franklin.  
 4. Einstein.

Question ID : 26433098588  
Status : Answered  
Chosen Option : 1

Q.18 ऊष्मागतिकी में कौन सा नियम, एक ऊष्मा इंजन की दक्षता और एक रेफ्रिजरेटर के निष्पादन गुणांक के लिए एक मूल परिसीमा (fundamental limitation) प्रदान करता है?

- Ans  1. ऊष्मागतिकी का द्वितीय नियम  
 2. ऊष्मागतिकी का शून्य कोटि नियम  
 3. ऊष्मागतिकी का तृतीय नियम  
 4. ऊष्मागतिकी का प्रथम नियम

Question ID : 26433098504  
Status : Answered  
Chosen Option : 4

Q.19 Which of the following statement is TRUE with respect to soaps?

- Ans  1. Soaps that float in water are made by dissolving the soap in ethanol and then evaporating the excess solvent.  
 2. Transparent soaps are made by beating tiny air bubbles before their hardening.  
 3. Shaving soaps contain glycerol to prevent rapid drying.  
 4. Toilet soaps contain fillers like sodium rosinate, sodium silicate, borax and sodium carbonate.

Question ID : 26433098715  
Status : Answered  
Chosen Option : 4

Q.20 Arrange the following elements in ascending order according to its specific heat

- (a) Carbon
- (b) Silver
- (c) Tungsten
- (d) Aluminium

- Ans
- 1. (b), (d), (c) & (a)
  - 2. (a), (d), (c) & (b)
  - 3. (d), (a), (c) & (b)
  - 4. (c), (b), (a) & (d)

Question ID : 26433098505  
Status : Answered  
Chosen Option : 2

Q.21 Which of the following statements is INCORRECT?

Rutherford's famous  $\alpha$ -particle scattering experiment, it was observed and concluded that :

- Ans
- 1. a small fraction of the  $\alpha$ -particles was deflected by small angles.
  - 2. most of the  $\alpha$ -particles passed through the gold foil undeflected.
  - 3. Most of the space in the atom is not empty as most of the  $\alpha$ -particles passed through the foil undeflected.
  - 4. a very few  $\alpha$ -particles (~1 in 20,000) bounced back, that is, were deflected by nearly  $180^\circ$ .

Question ID : 26433098522  
Status : Answered  
Chosen Option : 3

Q.22 Bithionol added to soap acts as

- Ans
- 1. buffering agent
  - 2. softener
  - 3. Drying agent
  - 4. antiseptic

Question ID : 26433098604  
Status : Answered  
Chosen Option : 2

Q.23 The importance of which drug was so much that it remained the largest selling drug in the world until another drug, ranitidine (Zantac), was discovered?

- Ans
- 1. Cimetidine
  - 2. Brompheniramine
  - 3. Histamine
  - 4. Antihistamines.

Question ID : 26433098536  
Status : Answered  
Chosen Option : 1

**Q.24** The molar conductivity of a  $0.3 \text{ mol/dm}^3$  solution of  $\text{AgNO}_3$  with electrolytic conductivity of  $2.61 \times 10^{-3} \text{ S cm}^{-1}$  at  $298\text{K}$  in  $\text{S cm}^2/\text{mol}$

- Ans
- 1. 11.52
  - 2. 8.7
  - 3. 28.8
  - 4. 2.88

Question ID : 26433098612  
Status : Answered  
Chosen Option : 2

**Q.25** Kepler's laws were extracted from data compiled by

- Ans
- 1. Maxwell
  - 2. Tycho Brahe
  - 3. Nicolas Copernicus
  - 4. Newton

Question ID : 26433098618  
Status : Answered  
Chosen Option : 4

Section : Part-C-Mathematics

**Q.1** Let R be a point on a straight line PQ. Two Circles are drawn with diameters PR and PQ. Let A be any point on the circumference of the circle with diameter PQ. If PA meets the other circle at B, then:

- Ans
- 1.  $BR \parallel AQ$
  - 2.  $BR = \frac{1}{2} AQ$
  - 3.  $BR = \frac{1}{4} AQ$
  - 4.  $BR \parallel AQ$  and  $BR = \frac{1}{2} AQ$

Question ID : 26433061381  
Status : Answered  
Chosen Option : 4

**Q.2** The amount received on a certain sum for  $2\frac{2}{5}$  years at 15% p.a. simple interest is ₹507 less than the simple interest on the same sum for  $9\frac{1}{2}$  years at the same rate. The sum (in ₹) is:

- Ans
- 1. 8,000
  - 2. 7,400
  - 3. 7,600
  - 4. 7,800

Question ID : 26433074966  
Status : Answered  
Chosen Option : 4

Q.3 What is 20% of 45% of 800 grams?

- Ans
- 1. 82 grams
  - 2. 62 grams
  - 3. 92 grams
  - 4. 72 grams

Question ID : 26433063853  
Status : Answered  
Chosen Option : 4

Q.4 A and B together completed a piece of work costing Rs. 1,900. A worked for 5 days, B for 6 days. If the daily wages of A and B are in the ratio of 4 : 3 respectively, then how much amount will be received by A?

- Ans
- 1. Rs. 800
  - 2. Rs. 900
  - 3. Rs. 1,000
  - 4. Rs. 1,100

Question ID : 26433063965  
Status : Answered  
Chosen Option : 3

Q.5 The distance between two parallel chords of length 10 cm, each in a circle of diameter 12 cm, is:

- Ans
- 1. 11 cm
  - 2.  $2\sqrt{11}$  cm
  - 3.  $\sqrt{6}$  cm
  - 4. 26 cm

Question ID : 26433066260  
Status : Answered  
Chosen Option : 2

Q.6 The value of  $\frac{1}{2} + \frac{1}{3} - \frac{1}{6} \div \frac{3}{5} \times \frac{3}{5}$  is:

- Ans
- 1.  $\frac{1}{5}$
  - 2.  $\frac{1}{3}$
  - 3.  $\frac{2}{7}$
  - 4.  $\frac{2}{3}$

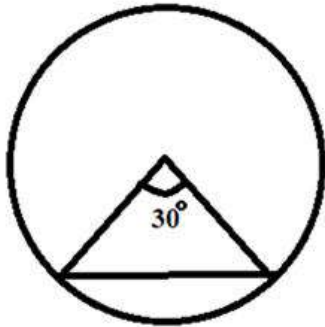
Question ID : 26433058958  
Status : Answered  
Chosen Option : 4

Q.7 A and B can accomplish a certain piece of work in 15 days when they work together. A alone can do that work in 30 days. If A and B work for 10 days and then onwards only A works. How long will it take for A to do the remaining task?

- Ans
- 1. 25 days
  - 2. 30 days
  - 3. 20 days
  - 4. 10 days

Question ID : 26433071341  
Status : Answered  
Chosen Option : 4

Q.8 The radius of the given circle = 7 cm. What is the area of the major segment?



- Ans
- 1.  $153.42 \text{ cm}^2$
  - 2.  $180.25 \text{ cm}^2$
  - 3.  $193.41 \text{ cm}^2$
  - 4.  $125.58 \text{ cm}^2$

Question ID : 26433075336  
Status : Answered  
Chosen Option : 1

Q.9 What is the volume of a hemisphere whose radius is 6 cm?

- Ans
- 1.  $451.16 \text{ cm}^3$
  - 2.  $454.16 \text{ cm}^3$
  - 3.  $453.16 \text{ cm}^3$
  - 4.  $452.57 \text{ cm}^3$

Question ID : 26433073142  
Status : Answered  
Chosen Option : 4

Q.10 Aman's average score in a series of tests was 'y'. He appeared in one more test and obtained score 'z'. If Aman appeared in total 'n' tests, then which one of the following expression shows his average score for all the tests?

Ans

✓ 1.  $\frac{y(n-1) + z}{n}$

✗ 2.  $y(n-1) + \frac{z}{n}$

✗ 3.  $\frac{y(n-1) + 1}{n}$

✗ 4.  $\frac{y(n-1)}{n}$

Question ID : 26433081544

Status : Answered

Chosen Option : 1

Q.11 A ship goes at a speed of 17 km/h downstream and at 13 km/h upstream. What will be the speed of the ship in still water?

Ans ✗ 1. 14 km/h

✗ 2. 16 km/h

✓ 3. 15 km/h

✗ 4. 13 km/h

Question ID : 26433063422

Status : Answered

Chosen Option : 3

Q.12 What is the value of the given expression?

$$32 \div 8 + \frac{3}{5} \text{ of } 85 - \left(\frac{2}{5} + \frac{4}{3}\right) \times 30$$

Ans ✗ 1. 55

✗ 2. 39

✓ 3. 3

✗ 4. 7

Question ID : 26433058776

Status : Answered

Chosen Option : 3

Q.13 The system of equations:  $2x + 3y = 7$  and  $(a - b)x + (a + b)y = 3a + b - 2$  have infinitely many solutions:

Ans ✗ 1.  $a = 5, b = 3$

✗ 2.  $a = 2, b = 3$

✗ 3.  $a = 2, b = 1$

✓ 4.  $a = 5, b = 1$

Question ID : 26433098457

Status : Answered

Chosen Option : 4

Q.14 If  $\cot 18^\circ = \frac{p}{q}$ , then the value of  $\frac{\operatorname{cosec}^2 378^\circ}{1 + \tan^2 378^\circ}$  is:

- Ans
- 1. 1
  - 2.  $\frac{p}{q}$
  - 3.  $\frac{p^2}{q^2}$
  - 4.  $\frac{p^2}{q^2}$

Question ID : 26433075029

Status : Answered

Chosen Option : 4

Q.15 If the sum of the first 100 terms of an arithmetic progression is 50, and the sum of the first 200 terms is 90, then what is the sum of the first 300 terms of the progression?

- Ans
- 1. 140
  - 2. 100
  - 3. 130
  - 4. 120

Question ID : 26433098435

Status : Answered

Chosen Option : 4

Q.16 The length and the breadth of a rectangular field are in the ratio 3 : 2. If the area of the field is  $3456 \text{ m}^2$ , then what is the cost of fencing the field at the rate of Rs.3.50 per m?

- Ans
- 1. Rs. 240
  - 2. Rs. 840
  - 3. Rs. 480
  - 4. Rs. 420

Question ID : 26433073140

Status : Answered

Chosen Option : 2

Q.17 If twice the son's age (in years) is added to the age of his father, the sum is 91. If twice the age (in years) of father is added to the age of the son, the sum is 119. What is the difference (in years) between the ages of father and son?

- Ans
- 1. 30
  - 2. 27
  - 3. 28
  - 4. 29

Question ID : 26433098458

Status : Answered

Chosen Option : 3



Q.18 In a government scheme, if an electricity bill is paid before due date, one gets a reduction of 13.5% on the amount of the bill. By paying the bill before due date, Ritu got a reduction of Rs. 6,075. The amount of her electricity bill was:

- Ans
- 1. Rs. 48,000
  - 2. Rs. 55,380
  - 3. Rs. 60,750
  - 4. Rs. 45,000

Question ID : 26433063704

Status : Answered

Chosen Option : 4

Q.19 Study the given table and answer the question(s) that follow(s).

The marks obtained by four students A, B, C and D in Mathematics, Statistics and Computers are given in the following table.

Students → /Subjects ↓	A	B	C	D
Mathematics	60	50	70	75
Statistics	70	45	60	80
Computers	80	55	55	75

Find the average score in Mathematics by the given students.

- Ans
- 1.  $66\frac{3}{4}$
  - 2.  $63\frac{3}{4}$
  - 3.  $61\frac{3}{4}$
  - 4.  $63\frac{1}{4}$

Question ID : 26433075002

Status : Answered

Chosen Option : 2

Q.20 If  $y - \frac{1}{y} = 2$ , then the value of  $y^3 - \frac{1}{y^3}$  is equal to:

- Ans
- 1. 14
  - 2. 3
  - 3. 21
  - 4. 18

Question ID : 26433061110

Status : Answered

Chosen Option : 1

Q.21 If the denominator of a fraction is multiplied by 2 and the numerator is increased by 2, the fraction becomes  $\frac{1}{2}$ . If instead, the numerator is multiplied by 2 and the denominator is increased by 2, it becomes  $\frac{6}{7}$ . What is the sum of the numerator and the denominator of the original fraction (in lowest form)?

- Ans
- 1. 11
  - 2. 8
  - 3. 7
  - 4. 6

Question ID : 26433098434

Status : Answered

Chosen Option : 1

Q.22 If interest is compounded half-yearly, then find the compound interest on ₹3,125 at 8% for 1 year.

- Ans  1. ₹255  
 2. ₹254  
 3. ₹253  
 4. ₹252

Question ID : 26433063418  
Status : Answered  
Chosen Option : 1

Q.23 If  $x$  is a natural number such that 18 is the third proportional to  $(x + 2)$  and  $(x + 6)$ , what is the value of  $x$ ?

- Ans  1. 6  
 2. 9  
 3. 4  
 4. 8

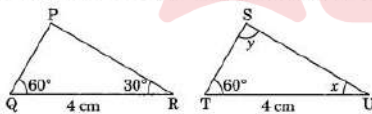
Question ID : 26433061898  
Status : Answered  
Chosen Option : 1

Q.24 A man sells 10 pens for ₹18 gaining 24%. How many pens should he sell for ₹1,530 to earn a profit of 55%?

- Ans  1. 540  
 2. 620  
 3. 680  
 4. 760

Question ID : 26433061889  
Status : Answered  
Chosen Option : 3

Q.25  $\triangle PQR$  and  $\triangle STU$  are congruent triangles under ASA. What are the values of  $x$  and  $y$ , respectively?



- Ans  1.  $90^\circ$  and  $30^\circ$   
 2.  $30^\circ$  and  $90^\circ$   
 3.  $45^\circ$  and  $75^\circ$   
 4.  $75^\circ$  and  $45^\circ$

Question ID : 26433061447  
Status : Answered  
Chosen Option : 2

Q.1 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.  
(279 \* 9) \* 46 \* 24 \* (13 \* 3)

- Ans
- 1. +, =, +, +, -
  - 2. -, x, =, -, +
  - 3. +, =, +, -, x
  - 4. x, =, -, -, -

Question ID : 26433057649

Status : Answered

Chosen Option : 1

Q.2 There are five persons in which Ajay is elder than Sanjeev. Mahesh is elder than Ajay but younger than Kumar. Kumar is elder than Sanjeev. Gaurav is the eldest. Who is the youngest?

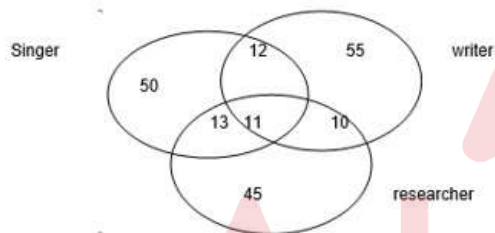
- Ans
- 1. Sanjeev
  - 2. Ajay
  - 3. Mahesh
  - 4. Kumar

Question ID : 26433068080

Status : Answered

Chosen Option : 1

Q.3 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many singers are NOT writers and researchers?

- Ans
- 1. 55
  - 2. 13
  - 3. 50
  - 4. 45

Question ID : 26433074656

Status : Answered

Chosen Option : 3

Q.4 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)  
 (64, 112, 49)  
 (121, 330, 225)

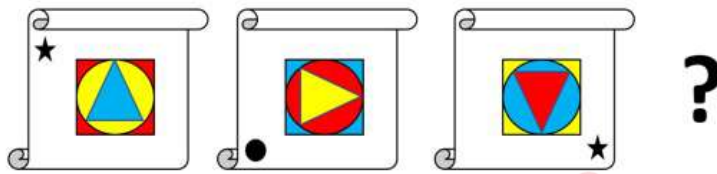
- Ans  1. (81, 125, 1331)  
 2. (256, 480, 225)  
 3. (144, 252, 441)  
 4. (25, 70, 196)

Question ID : 26433056507

Status : Answered

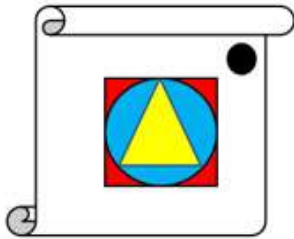
Chosen Option : 2

Q.5 Select the figure that will come next in the following figure series.

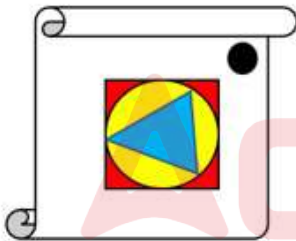


Ans

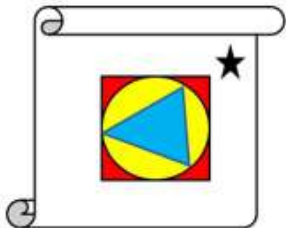
1.



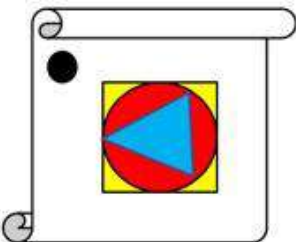
2.



3.



4.



Question ID : 26433056541

Status : Answered

Chosen Option : 2

Q.6 A & B means 'A is the wife of B'.  
A # B means 'A is the father of B'.  
A @ B means 'A is the son B'.  
A% B means 'A is the husband of B'.  
A+B means 'A is the mother of B'.  
If A & B # C & D @ E % F + G, then how is C related to F?

- Ans  1. Mother-in-law  
 2. Daughter-in-law  
 3. Daughter  
 4. Sister

Question ID : 26433098336  
Status : Answered  
Chosen Option : 2

Q.7 Which of the following numbers will replace the question mark (?) in the given series?  
6, 12, 20, 30, ?, 56

- Ans  1. 44  
 2. 42  
 3. 32  
 4. 22

Question ID : 26433056437  
Status : Answered  
Chosen Option : 2

Q.8 'M = N' means 'M is the son of N',  
'M # N' means 'M is the mother's brother of N',  
'M × N' means 'M is the husband of N',  
'M & N' means 'M is the sister of N',  
'M \$ N' means 'M is the wife of N', and  
'M @ N' means 'M is the sister-in-law of N'.  
If Rashmi is the only sister of K, then how is she related to B in the following expression?  
D = L \$ K # P \$ C = B

- Ans  1. Mother-in-law  
 2. Wife  
 3. Maternal aunt  
 4. Son's mother-in-law

Question ID : 26433098333  
Status : Answered  
Chosen Option : 4

Q.9 Seven people, A, B, C, D, E, F and G, are sitting in a straight row, facing the north. Only two people sit to the right of D. Only two people sit to the left of C. Only two people sit between D and G. Only three people sit between C and E. A is not an immediate neighbour of D. B sits to the right of D. Who sits to the immediate left of E?

- Ans  1. C  
 2. B  
 3. G  
 4. F

Question ID : 26433055899  
Status : Answered  
Chosen Option : 2

**Q.10** Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Borrelia
2. Boroughs
3. Boredom
4. Borderline
5. Bordellos
6. Borrower

- Ans
- 1. 5, 4, 3, 2, 6, 1
  - 2. 5, 4, 1, 2, 3, 6
  - 3. 5, 4, 3, 6, 2, 1
  - 4. 5, 4, 3, 2, 1, 6

Question ID : 26433098357

Status : Answered

Chosen Option : 4

**Q.11** 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below. Find the number on the face opposite to the one showing '2'.

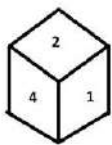


figure 1

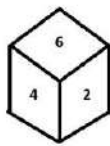


figure 2

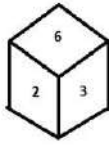


figure 3

- Ans
- 1. 5
  - 2. 1
  - 3. 4
  - 4. 3

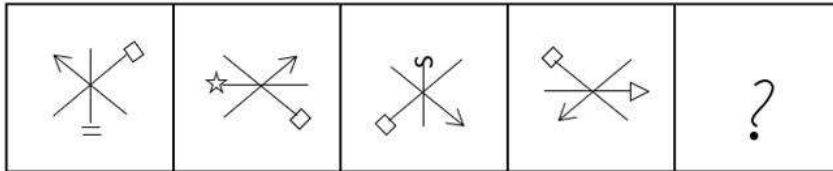
Question ID : 26433080722

Status : Answered

Chosen Option : 1

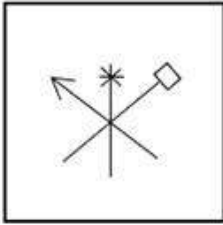
Adda247

Q.12 Select the figure from among the given options that can replace the question mark (?) in the following series.

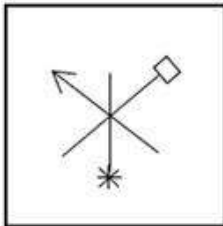


Ans

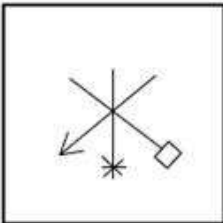
1.



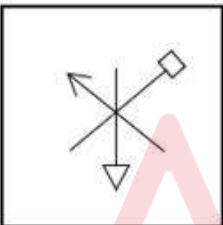
2.



3.



4.



Question ID : 26433056823

Status : Answered

Chosen Option : 2

Q.13 Which letter-cluster will replace the question mark (?) to complete the given series?  
CAGJ, FCKO, ?, LGSY, OIWD

Ans  1. IEPU

2. IEPT

3. IERU

4. IEOT

Question ID : 26433067955

Status : Answered

Chosen Option : 4

Q.14 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

A \_ A Z \_ N \_ M A \_ O \_ A M \_ \_ O \_ A \_ A \_ O \_

- Ans
- 1. OANZAMANNZM
  - 2. MOAZNAZNMZN
  - 3. OANMNMAZAZO
  - 4. MOAANZMANNZ

Question ID : 26433056394

Status : Answered

Chosen Option : 4

Q.15 In a certain code language, 'RABBIT' is written as 'UCEDLV' and 'DONKEY' is written as 'GQQMHA'. How will 'TURTLE' be written in that language?

- Ans
- 1. XWUVPG
  - 2. XXUVOG
  - 3. WWUVOG
  - 4. WXUVOG

Question ID : 26433098346

Status : Answered

Chosen Option : 3

Q.16 Six students are sitting around a circular table facing the centre. Ron is sitting second to the right of Ann. Brian is an immediate neighbour of both Luther and Ann. Eve is sitting third to the left of Luther. Who is sitting between Brian and Van?

- Ans
- 1. Luther
  - 2. Ann
  - 3. Eve
  - 4. Ron

Question ID : 26433055678

Status : Answered

Chosen Option : 1

Q.17 Which two signs and numbers need to be interchanged to make the following equation correct?

$$(\sqrt{225} \div 8) + (112 \times 7) + 23 - 12 = 130$$

- Ans
- 1. 8 and 7,  $\times$  and  $-$
  - 2. 7 and 23,  $+$  and  $\times$
  - 3. 112 and 23,  $+$  and  $-$
  - 4. 8 and 7,  $\div$  and  $\times$

Question ID : 26433057110

Status : Answered

Chosen Option : 4

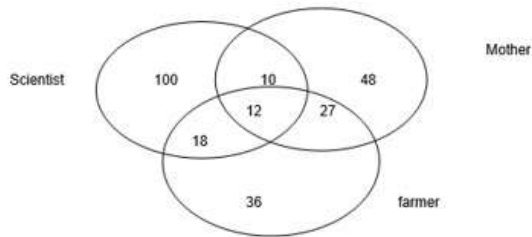


Q.18 In a certain code language, 'DUCK' is written as '16' and 'SHEEP' is written as '25'.How will 'TURKEY' be written in that language?

- Ans
- 1. 42
  - 2. 49
  - 3. 30
  - 4. 36

Question ID : 26433098345  
Status : Answered  
Chosen Option : 4

Q.19 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.

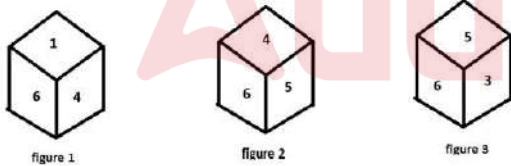


How many Farmers are Mothers and NOT Scientists?

- Ans
- 1. 10
  - 2. 18
  - 3. 27
  - 4. 12

Question ID : 26433074655  
Status : Answered  
Chosen Option : 3

Q.20 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below. Find the number on the face opposite to the one showing '3'.



- Ans
- 1. 2
  - 2. 5
  - 3. 1
  - 4. 4

Question ID : 26433080727  
Status : Answered  
Chosen Option : 4

Q.1 एमएस-एक्सेल 2010 (MS-Excel 2010) फॉर्मूला में, कॉलम (columns) A से E और रो (rows) 10 से 20 तक सेल की रेंज को संदर्भित करने के लिए निम्नलिखित में से कौन सा सही तरीका है?

- Ans
- 1. A10-E20
  - 2. 10A:30E
  - 3. 10A-20E
  - 4. A10:E20

Question ID : 26433098411  
Status : Answered  
Chosen Option : 4

Q.2 एमएस-एक्सेल (MS-Excel 2010) में, 'टेक्स्ट को टाइटल' केस में बदलने के लिए निम्नलिखित में से किस फंक्शन का उपयोग किया जाता है?

- Ans
- 1. अपर केस (UPPER case)
  - 2. प्रोपर केस (PROPER case)
  - 3. टाइटल केस (TITLE case)
  - 4. लोअर केस (LOWER case)

Question ID : 26433098370  
Status : Answered  
Chosen Option : 3

Q.3 The \_\_\_\_\_ keyboard shortcut to open a new workbook in MS-Excel 2010.

- Ans
- 1. Ctrl + S
  - 2. Ctrl + H
  - 3. Ctrl + N
  - 4. Ctrl + O

Question ID : 26433098382  
Status : Answered  
Chosen Option : 2

Q.4 The keyboard shortcut key to open the format cells dialog box in MS-Excel 2010 is \_\_\_\_\_.

- Ans
- 1. Ctrl + F
  - 2. Ctrl + Shift + F
  - 3. Ctrl + Alt + F
  - 4. Alt + Shift + F

Question ID : 26433098365  
Status : Answered  
Chosen Option : 3

Q.5 Which of the following is an invalid email address?

- Ans
- 1. 989bcd@yahoo.com
  - 2. abc123@Syahoo.com
  - 3. abc123@yahoo.com
  - 4. 9a9b9c@yahoo.com

Question ID : 26433098426  
Status : Answered  
Chosen Option : 2

Q.6 In MS-Excel 2010, the remove duplicates function is found in the ribbon under the \_\_\_\_\_ tab.

- Ans
- 1. Data
  - 2. Review
  - 3. Insert
  - 4. View

Question ID : 26433098373  
Status : Answered  
Chosen Option : 2

Q.7 The 'Open' command that is used to open a MS-Word 2010 document is found in which of the following tab?

- Ans
- 1. Home
  - 2. Help
  - 3. Layout
  - 4. File

Question ID : 26433098412  
Status : Answered  
Chosen Option : 4

Q.8 The URL for a secured website starts with \_\_\_\_\_.

- Ans
- 1. https
  - 2. http
  - 3. httsp
  - 4. httss

Question ID : 26433098378  
Status : Answered  
Chosen Option : 1

Q.9 A \_\_\_\_\_ consists of a matrix of rectangular cells grouped in rows and columns.

Ans  1. spreadsheet

2. document

3. Text

4. slide

Question ID : 26433098399

Status : Answered

Chosen Option : 1

Q.10 The full form of URL is:

Ans  1. United Resource Logo

2. Uniform Resource Logo

3. Uniform Resource Locator

4. United Resource Locator

Question ID : 26433098407

Status : Answered

Chosen Option : 3

