Multi Tasking Non Technical Staff Examination 2020

| Participant ID |  |
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| Participant Name |  |
| Test Center Name | Global Infomerit |
| Test Date | $20 / 10 / 2021$ |
| Test Time : | 9:00 AM - 10:30 AM |
| Subject | MTS Non Technical 2020 |

## Section: General English

Q. 1 Select the word which means the same as the group of words given.

A person who examines, diagnoses and treats eyes
Ans
X 1. Optician
X 2. Econometrist
3. Ophthalmologist

X 4. Chronobiologist
Q. 2 Select the INCORRECTLY spelt word.

Ans 1. Stagnent
X 2. Imminent
$X$ 3. Continent
X 4. Exponent
Q. 3 Select the most appropriate word to fill in the blank.

I totally disagree with his $\qquad$ proposal as he has not weighed the pros and cons.
Ans
$X 1$ realistic
X 2. conceivable
$X$ 3. rational
4. ridiculous
Q. 4 Select the most appropriate synonym of the given word.

MIMIC
Ans $\times$ 1. Fail
X 2. Prevent
2. Copy

X 4. Attempt
Q. 5 Identify the segment in the sentence which contains a grammatical error.

Schools was brought to an abrupt standstill when the lockdown was imposed.
Ans
X 1. was imposed
Х 2. to an abrupt stand still
3. when the lockdown
4. Schools was brought
Q. 6 Select the most appropriate word to fill in the blank.

Once the interview was over I $\qquad$ felt light and free.
Ans
X 1. leisurely
2. 2. suddenly

X 3. minutely
X 4. hastily
Q. 7 Select the most appropriate synonym of the given word.

## MAGNANIMOUS

Ans

- 1. Charitable

X 2. Malicious
X 3. Suspicious
X 4. Unstable
Q. 8 Select the most appropriate word to fill in the blank.

Chandigarh is a model city with sectors that are $\qquad$ with spaces for living, working and leisure.
Ans
X 1. dependent
2. self-sufficient

X 3. self-righteous
$\times 4$. inferior
Q. 9 Select the INCORRECTLY spelt word.

Ans 1. Ocupant
X 2. Rampant
$X$ 3. Academic
$\times 4$. Abdicate
Q. 10 Select the most appropriate ANTONYM of the given word.

UNFEELING
Ans
X 1. Cruel
2. Affectionate
$X$ 3. Modest
$X$ 4. Aloof
Q. 11 Select the most appropriate meaning of the given idiom.

Whet your appetite
Ans

1. To want something more
$X 2$. To find the food tasteless
$X$ 3. To feel lonely and isolated
$\times 4$. To go on a diet
Q. 12 Select the most appropriate meaning of the given idiom.

Get something off one's chest
Ans
$X 1$. To escape from a dangerous situation
$\times 2$. To defeat someone in a physical fight
3. Talk about something that is worrying you
4. To stop oneself from confiding in a friend
Q. 13 Select the word which means the same as the group of words given.

A person who is forgetful and unable to concentrate or think clearly
Ans

1. Scatterbrain
$X$ 2. Systematic
$X$ 3. Logical
X 4. Intelligent
Q. 14 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

It is important to be aware of what we eat as food choices play an important role and affect their lifespan.
Ans
$X$ 1. affect your
2. affect our
$X 3$. affect her
$X 4$. No substitution required
Q. 15 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

From all her birthday presents, Vanya liked the alphabetical mat the most.
Ans
$X 1$. Except
$X$ 2. Between
$X$ 3. No substitution required
4. Amongst
Q. 16 Select the most appropriate word to fill in the blank.

Some of Guru Dutt's $\qquad$ classics are being screened on MUBI these days.
Ans

- 1. unforgettable

X 2. eventful
X 3. dependable
X 4. catchy
Q. 17 Identify the segment in the sentence which contains a grammatical error.

Parents must monitor what them children access on the internet as they are easily influenced.

Ans

1. what them children

X 2. access on the internet
< 3. Parents must monitor
X 4. as they are easily influenced
Q. 18 Identify the segment in the sentence which contains a grammatical error.

Jagdeep, the Bollywood comedian, began his film career at eight as a live childlike actor in the 1950's.
Ans
X 1. Jagdeep, the comedian
2. as a live childlike actor

X 3. began his film career
X 4. in the 1950's
Q. 19 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

As been rich, he can afford this expensive treatment.
Ans
Х 1 . By been richer
X 2. No substitution required
3. Being rich
$\times 4$. As he be rich
Q. 20 Select the most appropriate ANTONYM of the given word.
initiate
Ans $\times 1$. Launch
2. Conclude
$X$ 3. Begin
X 4. Inspire

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

I studied at the J.J. School of Art in Mumbai, India's premier institute (1) $\qquad$ art and design. After two years I (2) $\qquad$ New York City to further my studies. I soon (3) $\qquad$ myself in a totally different culture which I embraced (4) $\qquad$ willingly. Interestingly, it was in
New York that I began (5) $\qquad$ different cuisines.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in blank no. 1 .

Ans
$X 1$. about
$X$ 2. at
$\times 3$. with
4. of

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

I studied at the J.J. School of Art in Mumbai, India's premier institute (1) $\qquad$ art and design. After two years I (2) $\qquad$ New York City to further my studies. I soon (3) myself in a totally different culture which I embraced (4) $\qquad$ willingly. Interestingly, it was in New York that I began (5) $\qquad$ different cuisines.

SubQuestion No : 22
Q. 22 Select the most appropriate option to fill in blank no. 2.

Ans
X 1. moved down
2. moved to
$X$ 3. moved about
$X 4$. move up

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

I studied at the J.J. School of Art in Mumbai, India's premier institute (1) $\qquad$ art and design. After two years I (2) $\qquad$ New York City to further my studies. I soon (3) $\qquad$ myself in a totally different culture which I embraced (4) $\qquad$ willingly. Interestingly, it was in New York that I began (5) $\qquad$ different cuisines.

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank no. 3.

Ans
$X 1$. finding
2. found
$X 3$. observing
X4. discover

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

I studied at the J.J. School of Art in Mumbai, India's premier institute (1) $\qquad$ art and design. After two years I (2) $\qquad$ New York City to further my studies. I soon (3) myself in a totally different culture which I embraced (4) $\qquad$ willingly. Interestingly, it was in New York that I began (5) $\qquad$ different cuisines.

SubQuestion No: 24
Q. 24 Select the most appropriate option to fill in blank no. 4.

Ans
d 1. most
2. many
$X$ 3.more
X 4. much

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

I studied at the J.J. School of Art in Mumbai, India's premier institute (1) $\qquad$ art and design. After two years I (2) $\qquad$ New York City to further my studies. I soon (3) $\qquad$ myself in a totally different culture which I embraced (4) $\qquad$ willingly. Interestingly, it was in
New York that I began (5) $\qquad$ different cuisines.

SubQuestion No : $\mathbf{2 5}$
Q. 25 Select the most appropriate option to fill in blank no. 5 .

Ans
$X 1$. exercising upon
2. experimenting with
$X$ 3. rehearsing for
$X 4$. measuring on
Q. 1 Which two signs should be interchanged to make the given equation correct?
$7 \div 2 \times 5-4+2=15$
Ans $\times 1 .-$ and $\div$
X2. + and -

- $3 . \div$ and +

X4. $\times$ and $\div$
Q. 2 Find which figure is to be removed so that all, starting from I, fit into a pattern.


Ans
$X 1$. II
X2. V
3. IV

X 4. III
Q. 3 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

STRAW : HGIZD : : NORTH : ?
Ans
X 1. MLGSI
X 2. CBISL
X 3. CBISD
4. MLIGS
Q. 4 Select the option in which the number-pair shares the same relationship as that shared by the given number-pair.

115: 163
Ans
$\times 1.48: 78$
X 2. 163:99
X 3.75:110
4. $43: 75$
Q. 5 Select the option figure which is NOT embedded in the given figure (rotation is NOT allowed).


Ans
$\times 1$.


2

$\times 3$.

$\times 4$.

Q. 6 Select the number that can replace the question mark (?) in the given number series.

24, 60, 120, 210, 336, ?
Ans $\times 1.428$
$\times 2.390$
$\times 3.490$

- 4.504
Q. 7 Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.


Ans
$\times 1$.

$\checkmark 2$.

$\times 3$.

$\times 4$.

Q. 8 Six students, A, B, C, D, E and F, are standing facing north, but not necessarily in the same sequence. $A$ is at one corner and $F$ is beside him. $B$ is to the immediate right of $E$. $B$ is at the second place from the right end. $C$ is not beside $F$. Who is standing at the left end?
Ans
X1.F
2. A

X 3.C
$\times 4$. E
Q. 9 Select the set of numbers from the given options which is NOT similar to the given set.
$(15,112,13)$
Ans
X $1 .(11,76,8)$
2. $(17,102,9)$

X 3. $(13,96,11)$
X 4. $(12,72,6)$
Q. 10 Three statements are given, followed by three conclusions. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

1. All girls are dancers.
2. Some dancers are boys.
3. No boy is a player.

Conclusions:
I. Some dancers are girls.
II. Some players are boys.
III. Some dancers are players.

Ans
X 1. Only conclusion III follows.
X 2. Both conclusions I and II follow.
X 3. Both conclusions II and III follow.
4. Only conclusion I follows.
Q. 11 Select the number that can replace the question mark (?) in the given number series.

5, 9, 16, 29, ?, 103
Ans

- 1.54

X 2.78
X 3.86
$\times 4.92$
Q. 12 In a certain code language, '137' means 'Mary went Jammu', '274' means 'I like Mary', and '893' means 'you went Goa'. Which of the options is the code for 'Jammu'?
Ans
$\times 1.9$

- 2.1
$\times 3.2$
$\times 4.8$
Q. 13 In a certain code language, '137' means 'who are you', '274' means 'we are girls', and '893' means 'you have toys'. Which of the options may be the code for 'girls'?

Ans
$\times 1.3$
$\times 2.7$
$\times 3.8$

- 4.4
Q. 14 Three statements are given, followed by two conclusions. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

1. Some Indians are doctors
2. All males are Indians.
3. All engineers are males.

Conclusions:
I. Some males are doctors.
II. All engineers are Indians.

Ans
X 1. Neither conclusion I nor II follows.
2. Only conclusion II follows.
$X$ 3. Only conclusion I follows.
X 4. Both conclusions I and II follow.
Q. 15 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.
$\mathrm{P}_{\text {_ _ }} \mathrm{N}_{1} \mathrm{OM}$ ___MNP
Ans
X 1. MONPNP
2. OMPNPO

X 3. OPMNPO
$\times 4$. NPOMPO
Q. 16 Complete the missing portion of the given pattern by selecting from the given options.


Ans

$\checkmark 2$.

$\times 3$.

$\times 4$.

Q. 17 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.

3*6*2*8*4*5*36
Ans

1. $\times, \div,+, \times,-,=$

Х2.,$- \times,+, \div, \times,=$
X 3.,$+ \times,-, \times, \div,=$
$\times 4 . \div, \times,+, x,-,=$
Q. 18 A paper is folded at the dotted lines as shown in the first two figures, and cut as shown in the third figure. How will it appear when unfolded?


Ans

Q. 19 If in a code language, 'SOLO' is written as 'TMOK', then how will 'ROSE' be written in the same code language?

Ans
X1. SMTF
X 2. SKTF
X 3. SKTA
4. SMVA
Q. 20 If in a code language, 'ROSE' is written as 'ILHV', then how will 'HAND' be written in the same code language?
Ans
X 1. QXWC
2. SZMW

X 3. XQCW
X 4. SZWM
Q. 21 There are seven row houses, $M, N, O, P, Q, R$ and $S$, in a campus, but not necessarily in the same sequence. $P$ is not at any of the ends. $R$ is to the immediate right of $P$. $S$ is third from the left. O is at the left end. M is second from the right. O is not beside N . Where is P located?
Ans
$X$ 1. Second from the left
2. Beside S

X 3. Third from the left
$\times 4$. At the right end
Q. 22 Select the option that is related to the third term in the same way as the second term is related to the first term.

Cricket : Eleven : : Volleyball : ?
Ans
$X$ 1. Nine
$X$ 2. Seven
3. Six
$\times 4$. Eight
Q. 23 Arrange the following in a logical and meaningful order. I. Superintendent of Police
II. Station House Officer
III. Inspector General
IV. Deputy Superintendent of Police

Ans
X 1. III, IV, II, I
X 2. IV, III, II, I
X 3. II, III, I, IV
4. II, IV, I, III
Q. 24 Which of the following diagrams indicates the best relationship among women, mothers and dancers?

Ans

- 1. 


$\times 2$.

$\times 3$.

$\times 4$.

Q. 25 Select the option that is related to the third term in the same way as the second term is related to the first term.

Decibel : Sound: : Ampere: ?
Ans
X 1. Volume
2. Electric current

X 3. Temperature
$X 4$. Pressure
Q. 1

## Simplify the following expression.

$\frac{135 \div \frac{1}{3} \text { of } 5-2 \frac{2}{3} \div 1 \frac{1}{3}+6}{\left(15^{2}+9 \div 3\right)-\left(10-5 \times \frac{2}{5}\right)}$
Ans
$\times 1 . \frac{17}{10}$
×2. $\frac{217}{226}$

- $3 . \frac{17}{44}$
$\times 4 . \frac{73}{26}$
Q. 2 A town with literacy rate of $85 \%$ has a population of 2500 . If male population is $55 \%$, and $92 \%$ of them are literate, then find the literacy rate of females in the town.
Ans
X1. 82\%
$\times 2.75 \%$
× 3. $72 \frac{5}{9} \%$

4. $76 \frac{4}{9} \%$
Q. 3 A shopkeeper sells 6 cardigans for $₹ 3,000$ with $20 \%$ profit and 10 trousers for $₹ 6,380$ with $16 \%$ profit. What is the total profit per cent?
Ans ${ }^{1} .17 .25 \%$
X2. $11.38 \%$
$\times 3.18 \%$
X4. $8 \%$
Q. 4 If mode of the following data is 14 , then what is the value of $k$ ?
$11, \mathrm{k}, 8,9,(\mathrm{k}-1), 11,12,12,15,(\mathrm{k}-1), 14$
Ans
$\times 1.13$
$\times 2.11$
5. 15

X4. 12
Q. 5 Two numbers are in the ratio $4: 5$. If 2 is subtracted from the first number and 2 is added to the second number, then their ratio becomes $2: 3$. The difference between the two numbers is:

Ans
-1. 5
$\times 2.1$
X3. 9
X4. 2
Q. 6 Five men working together can complete a work in 8 days. Om Prakash who can complete the same work independently in 24 days joined them after 4 days. Under the circumstances in how many days the work will be completed?
Ans $\times 1.5$
$\times 2.3$
-3. 7
$\times 4.4$
Q. 7 The Gupta family spends their monthly income on different heads as shown in the following pie chart. What is the central angle corresponding to the sector representing expenditure on Food etc.?


Ans
, 1. $72^{\circ}$
$\times 2.18^{\circ}$
$\times 3.60^{\circ}$
$\times 4.80^{\circ}$
Q. 8 A certain sum doubles itself on simple interest in 10 years. At the same rate of interest in how many years it will become 3 times of itself?

Ans
$\times 1.12$
$\times 2.16$

- 3. 20

X4. 15
Q. 9 What will be the compound interest on a sum of $₹ 15,000$ at the interest rate of $8 \%$ per annum in one year, interest compounded semi-annually?
Ans

1. ₹ 1,224

X 2. ₹ 6,224
X 3. ₹ 1,200
X4. ₹ 16,224
Q. 10 The value of $0.04 \div 0.002+0.5 \times 0.002 \div 0.0004$ is:

Ans
X1. 20
2. 22.5
$\times 3.22$
X4. 21.5
Q. 11 In a 200 m walk race, Zakia walks at an average speed of $5 \mathrm{~km} / \mathrm{h}$. She gives a start of 20 m to Veena and still beats her by 18 seconds. What is the average speed of Veena (in $\mathbf{k m} / \mathrm{h}$ )?

Ans
$\times 1.4 .2$
$\times 2.4 .5$
-3. 4
X4. 3.5
Q. 12 त्योहार के समय में, ₹5,000 अंकित मूल्य बाला इलेक्ट्रिक गैजेट, निश्चित छूट देने के बाद ₹4,250 में बेचा जाता है। यदि छूट प्रतिशत में $5 \%$ की कमी होती है, तो ग्राहकों को किस कीमत पर इलेक्ट्रिक गैजेट उपलब्ध होगा?

Ans
$\times 1$. ₹5,000
X2. ₹4,000
$\times$ 3. ₹ 4,750
4. ₹4,500
Q. 13 Amar drives his car for 2 hours at a speed of $70 \mathrm{~km} / \mathrm{h}$, for 3 hours at a speed of $80 \mathrm{~km} / \mathrm{h}$ and for 1 hour at a speed of 40 $\mathrm{km} / \mathrm{h}$ and reaches his hometown. What is his average speed (in $\mathrm{km} / \mathrm{h}$ )?
Ans
X1. 64
2. 70
$\times 3.60$
$\times 4.66$
Q. $14 ₹ 21,000$ is divided among $A, B$ and $C$ in such a way that the shares of $A$ and $B$ are in the ratio $2: 3$, and those of $B$ and $C$ are in the ratio $4: 5$. The share of $B$ is:
Ans
X 1. ₹ 12,000
$\times 2$. ₹ 10,500

- 3. ₹ 7,200

X4. ₹ 7,000
Q. 15 In the given figure, the area of the unshaded region is $35 \%$ of the area of the shaded region. What is the value of $x$ ?


Ans $\times 1.20$
$\times 2.15$
2. 10
$\times 4.5$

Three cubes each having volume $1728 \mathrm{~cm}^{3}$ are placed one above the other. What is the total surface area of the resulting solid?
$\times 2304 \mathrm{~cm}^{2}$
$\times 2592 \mathrm{~cm}^{2}$
$\times 2160 \mathrm{~cm}^{2}$
, $2016 \mathrm{~cm}^{2}$
Q. 17 A and B started a business by investing $₹ 70,000$ each. After 10 months A invests an additional amount of $₹ 40,000$. After 2 more months B withdraws $₹ 20,000$. After 2 more months a third person C joins the business and invests $₹ 40,000$. If at the end of 2 years, C gets $₹ 7,500$ as his share of profit, then what is A 's share in the profit?

Ans
$X 1$. $₹ 27,000$
$\times 2$. $₹ 25,500$

- 3. ₹ 42,000

X4. ₹ 20,625
Q. 18 The record of the enrollment of boys and girls in a school over 6 years has been presented in the following bar graph.


In which year was the total enrollment the highest?
Ans
X 1. 1999
$\times 2.1998$

- 3. 1997

X4. 2000
Q. 19 The average monthly pocket money of 24 girls in a class is $₹ 275$, whereas for 16 boys of the class it is $₹ 325$. What is the average monthly pocket money of the whole class?

Ans
$X 1$. ₹ 300
X 2. ₹ 290
$X$ з. ₹ 310

- 4. ₹295
Q. 20 Two numbers differ by 20. If their LCM is 240 and HCF is 20 , then the greater number is:

Ans
$\times 1.120$
-2. 80
$\times 3.70$
$\times 4.60$
Q. 21 The following graph shows the production of cotton cloth (in lakh metres) by three companies

A, B and C over the years 1996-2000.
The production of company A during 1996-98 is what percentage of the average production of companies B and C during 1998-2000 (correct to two decimal places)?


Ans
X1. $74.36 \%$
$\times 2.89 .47 \%$
X 3. $56.86 \%$

- 4. $57.24 \%$
Q. 22 A shopkeeper purchased 10 chairs at the rate of ₹ 1,450 per chair and spent ₹ 600 as cartage. For how much should he sell each chair to earn $10 \%$ profit?

Ans
X 1. ₹ 2,225
2. ₹ 1,661

X 3 . ₹ 1,595
X4. ₹ 1,645
Q. 23 Eight metallic spheres of radius 1 cm are melted to form one sphere. The radius of the resulting sphere is:

Ans

1. 2 cm
$\times 2.8 \mathrm{~cm}$
$\times 3.3 \mathrm{~cm}$
$\times 4.6 \mathrm{~cm}$
Q. 246 पुरुष किसी कार्य को 64 दिन में पूरा कर सकते हैं। 24 महिलाएं उसी कार्य को 32 दिन में पूरा कर सकती हैं। 16 पुरुष और 24 महिलाएं एक साथ 12 दिन तक कार्य करते हैं, जिसके बाद 8 पुरुष और 8 महिलाएं कार्य छोड़ देती हैं। कार्य को पूरा होने में कितने दिनों का समय लगेगा?

Ans
$\times 1.18$
$\times 2.6$
X3. 3
-4. 15
Q. 25 A car covers a certain distance moving at a constant speed of $50 \mathrm{~km} / \mathrm{h}$ in 3 hours. How much more time would it have taken to cover the same distance if the speed had been only $40 \mathrm{~km} / \mathrm{h}$ ?

Ans
$\times 1.30$ minutes
, 2. 45 minutes
$X$ 3. 10 minutes
$\times 4.1$ hour
Q. 1 In June 2020, which of the following international organisations has approved a \$500 million Strengthening Teaching-Learning and Results for States Program (STARS) to improve the quality and governance of school education in six Indian states?
Ans
$X$ 1. International Monetary Fund
2. Asia Development Fund
3. UNESCO
4. World Bank
Q. 2 Who among the following leaders was NOT an accused in the Kakori Train Robbery case?
Ans

1. Bhagat Singh

X 2. Rajendra Nath Lahiri
X 3. Ramprasad Bismil
X4. Roshan Singh
Q. 3 Who among the following foreign travellers was appointed in the state service by Muhammad bin Tughlaq?
Ans
$X$ 1. Marco Polo
$X$ 2. Nicolo Conti
3. Ibn Battuta

X 4. Al Masudi
Q. 4 Which of the following regions was annexed by the British East India Company through the Treaty of Yandabo (1826)?
Ans

1. Assam

X 2. Kashmir
$X$ 3. Odisha
X 4. Ladakh
Q. 5 In which of the following states is the Ramsar Wetland Site named Renuka Wetland located?

Ans
$X 1$. Telangana
2. Andhra Pradesh
3. Madhya Pradesh
4. Himachal Pradesh
Q. 6 Which of the following states has the largest catchment area of Godavari Basin?

Ans $\times 1$. Karnataka
2. Maharashtra

X 3. Madhya Pradesh
X 4. Telangana
Q. 7 Which of the metals listed in the options is the least reactive?

Ans $\times 1$. Copper
X 2. Iron

- 3. Gold

X4. Magnesium
Q. 8 How many pollutants are included to measure Air Quality Index in India?

Ans $\times 1.4$
2.8
$\times 3.6$
$\times 4.12$
Q. 9 Which Article of the Constitution of India directs the State to secure a social order for the promotion of welfare of the people?
Ans
X 1. Article 42
X 2. Article 44
3. Article 38

X 4. Article 45
Q. 10 Who among the following was the founder of the Bhakti sect named 'Pushtimarg'?

Ans

1. Vallabhacharya

X 2. Kabir
X 3. Shankaracharya
×4. Ramanuja
Q. 11 In terms of abundance of metals in Earth's solid crust, which place does iron enjoy?

Ans

1. Second
$\times 2$. First
$X$ 3. Fourth
X 4. Third
Q. 12 Which of the following is the State Tree of Maharashtra?

Ans

1. Mango

X 2. Jammi
X 3. Banyan
X 4. Ashok
Q. 13 Nitin Menon, who was included in the Elite Panel of Umpires/Referees for 2020-21 by an international sports body, is professionally associated with:
Ans
$X 1$. football
$X$ 2. basketball
X 3. hockey
4. cricket
Q. 14 The mineral named 'Calaverite' is a telluride mineral containing:

Ans
$X 1$. zinc
2. gold

X 3. silver
X 4. copper
Q. 15 Dolomite is an ore of:

Ans

1. magnesium
$X$ 2. aluminium
X 3. potassium
$\times 4$. sodium
Q. 16 Who among the following was named as Vice-President of Asian Development Bank in July 2020?
Ans
2. Ashok Lavasa

X 2. Adi Godrej
X 3. Kiran Majumdar Shaw
X 4. Deepak Parekh
Q. 17 Who among the following is credited with giving a theory of population growth in his work titled 'Essay on Population' (1798)?
Ans

1. Thomas Robert Malthus

X 2. Karl Marx
X 3. Adam Smith
X 4. Friedrich Engels
Q. 18 Which Article of the Constitution of India states that there shall be a President of India?

Ans $\times 1$. Article 54
2. Article 52

X 3. Article 58
X 4. Article 55
Q. 19 Who among the following is an international shooting player?

Ans $X$ 1. Jamuna Boro
X 2. Manju Rani
X 3. Laishram Sarita Devi
4. Anjum Moudgil
Q. 20 During the reign of which of the following Sultans of Delhi was actual power enjoyed by Balban?
Ans
$X$ 1. Aram Shah
2. Ruknuddin Feroze
3. Alauddin Masud
4. Nasiruddin Mahmud Shah
Q. 21 In April 2020, UB Pravin Rao, Chief Operating Officer of $\qquad$ , was appointed
Chairman of NASSCOM.
Ans
$X 1$. Wipro
X 2. HCL
3. Infosys
$\times 4$.TCS
Q. 22 According to the Economic Survey, 2019-20, registering property in Delhi takes $\qquad$ days.
Ans

- 1.49
$\times 2.96$
$\times 3.68$
$\times 4.31$
Q. 23 In 1990, the Dinesh Goswami Committee was formed to make recommendations on:

Ans
$X$ 1. centre-state relations
X 2. police reforms
3. electoral reforms
$X$ 4. fundamental duties
Q. 24 निम्नलिखित में से कौन सा राजस्थान का राज्य पक्षी है?

Ans
$X$ 1. भारतीय रोलर
X 2. सारस क्रेन
$X$ 3. एशियाई कोयल
4. सोन चिड़िया (ग्रेट इंडियन बस्टर्ड)
Q. 25 Which of the following is India's best known Global brand as per Brand Finance's 'India 100-2020 ranking'?
Ans
$X$ 1. Reliance
$X$ 2. LIC
2. Tata

X 4. HCL

| Multi Tasking Non Technical Staff Examination 2020 |
| :--- | :--- |
| Participant ID  <br> Participant Name  <br> Test Center Name Sanaka Educational Trust Group of Institutions <br> Test Date $20 / 10 / 2021$ <br> Test Time : $12: 30$ PM - 2:00 PM <br> Subject MTS Non Technical 2020 |

## Section : General English

Q. 1 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Children need much of guidance in how to use the internet wisely and efficiently.
Ans
$X 1$. No substitution required
$X$ 2. most
3. a lot

X 4. many
Q. 2 Select the most appropriate meaning of the given idiom.

At loggerheads
Ans
$X 1$. To agree unwillingly
2. To disagree strongly
$X 3$. To hit someone with a log
$\times 4$. To sit and discuss
Q. 3 Select the word which means the same as the group of words given.

Be harmonious or consistent with
Ans
X 1. Record
$X$ 2. Cordon
3. Accord

X 4. Discord

## Q. 4 Select the INCORRECTLY spelt word.

Ans $\boldsymbol{X}$ 1. Opportunities
$\times$ 2. Capabilities
X 3. Responsibilities
4. Journies
Q. 5 Identify the segment in the sentence which contains a grammatical error.

Are these library books their?
Ans
$X 1$. Are these
$\times$ 2. library
$X$ 3.books
4. their
Q. 6 Identify the segment in the sentence which contains a grammatical error.

Mohan was very hungry so he had missed breakfast that morning.
Ans
$X$ 1. Mohan was
X 2. breakfast that morning
3. so he had missed
$X 4$. very hungry
Q. 7 Identify the segment in the sentence which contains a grammatical error.

Last week we thrown a party for Arun.
Ans

1. we thrown

X 2. Last week
X 3. a party
$X 4$. for Arun
Q. 8 Select the most appropriate word to fill in the blank.
you please help me with my computer?
Ans
X1. Dare

- 2. Could

X 3. May
X4. Shall
Q. 9 Select the most appropriate synonym of the given word.

PROACTIVE
Ans
X 1. Heedless
X 2. Short-sighted
X 3. Reactive
4. Enthusiastic
Q. 10 Select the most appropriate word to fill in the blank.

Did you visit $\qquad$ Nehru Planetarium in Delhi during the eclipse?
Ans

1. the

X 2. any
X3.a
X4. an
Q. 11 Select the most appropriate ANTONYM of the given word.

## SUFFICIENT

Ans

- 1. Inadequate

X 2. Enough
X 3. Intense
X 4. Precise
Q. 12 Select the INCORRECTLY spelt word.

Ans

1. Paralel

X 2. Expel
X 3. Repel
X4. Foretell
Q. 13 Select the word which means the same as the group of words given.

A situation when no progress is possible
Ans
X 1. Acceptance
$X$ 2. Deadline
3. Deadlock

X 4. Harmony
Q. 14 Select the most appropriate meaning of the given idiom.

At a stretch
Ans
$X 1$. Within a month
$X 2$. After some time
3. Without a stop
$X 4$. During a year
Q. 15 Select the most appropriate word to fill in the blank.

I like to go on a trip with Rahul as he is cheerful and $\qquad$ .
Ans

1. easy-going
$\times 2$. uncaring
$X$ 3. closed
$X$ 4. tense
Q. 16 Select the most appropriate synonym of the given word.

STRENUOUS
Ans
X 1. Easy
$X$ 2. Light
$X$ 3. Feeble
4. Difficult
Q. 17 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I am trying my best to give in junk food.
Ans
$X$ 1. give out
$X 2$. No substitution required
3. give up
$\times 4$. give back
Q. 18 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

You should live throughout your means.
Ans
$X 1$. No substitution required
$X$ 2. between

- 3. within
$\times 4$. among
Q. 19 Select the most appropriate word to fill in the blank.

Watching one's pet cat is therapeutic and can make one quite $\qquad$ to the real world outside.
Ans
X 1. obvious
$X$ 2. envious
3. oblivious
$\times 4$. studious
Q. 20 Select the most appropriate ANTONYM of the given word.

STATIONARY
Ans $X 1$. Square
2. Moving
$X$ 3. Watch
$\times 4$. Still

> Question ID : 65497818343
> Chosen Option : $\mathbf{2}$

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Many years ago, I met a panchayat president (1) $\qquad$ a state literacy programme who
talked to me (2) $\qquad$ Cuba's literacy programme where teachers, students and volunteers
(3) in a well organised, massive nationwide literacy movement. They (4)
people in the remotest of villages and were (5) $\qquad$ successful in their mission.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in blank no. 1 .

Ans
$X 1$. when
$X$ 2. while
3. during
$\times 4$. which

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Many years ago, I met a panchayat president (1) $\qquad$ a state literacy programme who talked to me (2) $\qquad$ Cuba's literacy programme where teachers, students and volunteers (3) $\qquad$ in a well organised, massive nationwide literacy movement. They (4) people in the remotest of villages and were (5) $\qquad$ successful in their mission.

SubQuestion No: 22
Q. 22 Select the most appropriate option to fill in blank no. 2.

Ans
$X 1$. around
2. about
$X$ 3. across
$X$ 4. through

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Many years ago, I met a panchayat president (1) $\qquad$ a state literacy programme who talked to me (2) $\qquad$ Cuba's literacy programme where teachers, students and volunteers (3) Cuba's literacy programme where teachers, students and volunt people in the remotest of villages and were (5) $\qquad$ successful in their mission.

SubQuestion No: 23
Q. 23 Select the most appropriate option to fill in blank no. 3.

Ans

1. joined hands
$X$ 2. join forces
$X$ 3. collaborate
$\times 4$. combine

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Many years ago, I met a panchayat president (1) $\qquad$ a state literacy programme who talked to me (2) $\qquad$ Cuba's literacy programme where teachers, students and volunteers (3) in a well organised, massive nationwide literacy movement. They (4) people in the remotest of villages and were (5) $\qquad$ successful in their mission.

SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in blank no. 4.

Ans $\times 1$. reaches out for
$X$ 2. reach out for
$X$ 3. reaching out to
4. reached out to

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Many years ago, I met a panchayat president (1) $\qquad$ a state literacy programme who talked to me (2) $\qquad$ Cuba's literacy programme where teachers, students and volunteers
(3) in a well organised, massive nationwide literacy movement. They (4) $\qquad$ people in the remotest of villages and were (5) $\qquad$ successful in their mission.

SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank no. 5.

Ans

1. exceedingly
$X 2$ 2. excessively
$X$ 3. marginally
X 4. negligibly
Q. 1 If FRIEND is coded as 86 and SICK is coded as 62 , then how would FRECKLE be coded?
Ans
$\times 1.87$
$\times 2.90$
X 3.108

- 4.95
Q. 2 'Tired' is related to 'Exhausted' in the same way as 'Sad' is related to ' $\qquad$ '.
Ans $\times 1$. Feeling
X 2. Mood

3. Depressed

X4. Happy
Q. 3 Select the mirror image of the figure marked ' X ', when the mirror is placed on the right side of the figure.


Ans

Q. 4 Which number will replace the question mark (?) in the following number series?

9, 12, 17, 26, 43, 76, ?, 270
Ans $\quad \times 1.154$

- 2.141
$\times 3.125$
$\times 4.133$
Q. 5 Select the option in which the given figure is embedded (rotation is NOT allowed).


Ans

$\times 2$.

$\times 3$.

$\times 4$.

Q. 6 The sequence of folding a plece of paper and the manner in which the folded paper has been cut is shown in the figures
below. How would the paper look when unfolded?


Ans

Q. 7 Six persons $\mathrm{P}, \mathrm{Q}, \mathrm{R}, \mathrm{S}, \mathrm{T}$ and U read a magazine one after another.
i. $S$ was neither the first nor the last to read it.
ii. There were as many readers between $P$ and $T$ as there were between $R$ and $P$.
iii. $S$ read it sometime before $Q$, who read it sometime after $U$.
iv. The one who read it last had taken it from $R$.

Who were the two persons to have read the magazine first and last, respectively?
Ans
$X 1 . \mathrm{P}$ and Q
2. T and Q
$X$ 3. P and U
$X 4$. T and $U$
Q. 8 Eight persons $A, B, C, D, E, F, G$ and $H$ are sitting around a circular table facing the centre.
$i$. $D$ is between $G$ and $A$, and is facing $B$.
$i i$. $F$ is between $A$ and $H$, and $H$ is third to the right of $D$.
iii. $E$ is second to the left of $G$.

Who are the persons sitting immediately to the left of $\mathbf{C}$ ?
Ans
$X$ 1. AHF
X 2. ADF
X 3. BFH

- 4. EBH
Q. 9 Three statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they do not conform to real-world knowledge, decide which of the conclusions logically follows/follow from the statements.

Statements:

1. All buildings are shops.
2. Some shops are boutiques.
3. No restaurant is a boutique.

Conclusions:
I. Some boutiques are buildings.
II. Some restaurants being buildings is a possibility.
III. No restaurant is a shop.

Ans
X 1. Only conclusions I and II follow
< 2. Only conclusion I follows
X 3. Only conclusions II and III follow
4. Only conclusion II follows
Q. 10 Which letter-cluster will replace the question mark (?) in the following series?

CBD, XYW, FEG, UVT, IHJ, ?
Ans
X 1. ORP
X 2. STR
X 3.RQS
4. RSQ
Q. 11 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

FHKO: UQNL: : MORV : ?
Ans
X 1. PLIG
2. NJGE

X 3. NLIE
$\times 4$. NIFD
Q. 12 If the signs - and $\div$ are interchanged, then which of the following equations would be correct?
Ans
X1. $12 \div 3+9-9=4$
X2. $9 \div 9-9+9=9$
X $3.12+4-4 \div 2=3$

- $4.6 \div 3+12-6=5$
Q. 13 Which number will replace the question mark (?) in the following number series?

19, 22, 28, 37, 40, ?, 55, 58
Ans

- 1.46
$\times 2.43$
$\times 3.49$
$\times 4.47$
Q. 14 Which option figure would come next in the following figure series?


Ans

$\checkmark 2$.

$\times 3$.

$\times 4$.

Q. 15 If PEDAGOGUE is coded as DEPNFZEUG, then how would HAMSTRING be coded?

Ans 1.MAHQSRGNI
X 2. MAHSUTGNI
X 3. ASRNGITMH
$\times$ 4. SMAHTGNIR
Q. 16 Select the Venn diagram that best illustrates the relationship among the following classes.

Sun, Planets, Jupiter
Ans
$\times 1$.

$\times 2$.

$\times 3$.

$\checkmark 4$.

Q. 17 If MOTHER is coded as QDGSNL, then how would SHEATH be coded?

Ans
$X$ 1. IUBFIT
X 2. RGDGSZ
X 3.RZSGDG
4. GSZDGR
Q. 18 If MARKET is coded as 15 and SUBMARINE is coded as 21 , then how would CONVENTIONAL be coded?

Ans
$\times 1.31$
$\times 2.24$

- 3.27
$\times 4.23$
Q. 19 Which two signs should be interchanged to make the given equation correct?
$18 \div 9+12 \times 4-8=15$
Ans $\times 1 . \div$ and $\times$
$\times 2 . \times$ and -
X 3. + and -

4.     - and -
Q. 20 Select the number from the options that is similar to the numbers in the given set.
(425, 902, 713)
Ans
X 1.624
$\times 2.555$
5. 218
$\times 4.319$
Q. 21 Select the option figure, which when placed in the blank space of the figure would complete the pattern.


Ans
$\times 1$.

$\times 2$.

$\checkmark 3$.

$\times 4$.

Q. 22 Two statements are followed by two conclusions numbered I and II. Assuming the statements to be true even if they do not conform to real-world knowledge, decide which of the conclusions logically follows/follow from the statements.

## Statements:

1. Some instruments are machines.
2. All instruments are gadgets.

Conclusions:
I. No machine is a gadget.
II. Some machines are gadgets.

Ans
X 1. Neither conclusion I nor conclusion II follows
X 2. Either conclusion I or conclusion II follows
3. Only conclusion II follows

X 4. Only conclusion I follows
Q. 23 Select the number-pair in which the two numbers are related in the same way as the two numbers of the pair given below.

20: 68
Ans
$\times 1.5: 18$
X2. $30: 110$
$\times 3.25: 90$

- $4.12: 30$
Q. 24 'Density' is related to 'Hydrometer' in the same way as 'Mass' is related to ' $\qquad$ '.

Ans
> 1. Kilogram
X 2. Heaviness
3. Balance

X 4. Volume
Q. 2519 persons are standing in a queue.
i. Manish is 7th from the back.
ii. Rinku is exactly in the middle of Manish and Seema.
iii. Seema and Rinku have three persons between them.

What is the position of Seema from the front?
Ans

- 1.5 th

X 2. 4th
X 3.6 th
X4.7th

## Section : Numerical Aptitude

Q. 1 Iwenty persons take 15 days to complete a certain work, working 8 hours a day. To complete the same work in 4 days, the number of hours a day 60 persons should work, is:

Ans
$\times 1.11$
$\times 2.12$
$\times 3.9$

- 4.10
Q. 2 Study the following graph and answer the question that follows.

Target and Actual Production of AC's (in thousands)
of a factory over five months


In which month is the actual production of ACs $20 \%$ more than the target production?
Ans
X 1. March
2. May

X 3. April
$X$ 4. February
Q. 3 Two trains of the same length are running on parallel tracks in the same direction at $44 \mathrm{~km} / \mathrm{h}$ and $32 \mathrm{~km} / \mathrm{h}$. The faster train passes the other train in 72 seconds. What is the length (in m ) of each train?

Ans
$\times 1.135$
-2. 120
$\times 3.100$
$\times 4.75$
Q. 4 The area of the curved surface of a right circular cylinder is $19.5 \mathrm{~m}^{2}$ and its volume is $39 \mathrm{~m}^{3}$. What is the radius (in m ) of its base?
Ans $\times 1.6$
$\times 2.5$
$\times 3.3$
4. 4
Q. 5 An aeroplane covers a certain distance at a speed of $190 \mathrm{~km} / \mathrm{h}$ in 7 hours. To cover the same distance in $4 \frac{3}{4}$ hours, it must travel at a speed (in $\mathrm{km} / \mathrm{h}$ ) of:

Ans
$\times 1.275$
-2. 280
$\times 3.300$
X4. 240
Q. 6 The value of $\frac{7}{10} \div \frac{7}{5}$ of $\left[\frac{21}{10}+\frac{13}{5}\right]+\left[\frac{1}{10} \times \frac{10}{47}-\frac{6}{47}\right]$ is:

Ans
$\times 1.5$
-2. 0
$\times 3.1$
X4. 10
Q. 7 In an examination, the ratio of the number of candidates who passed to those who failed was $5: 2$. If the number of failed candidates had been 14 more, then the ratio of the number of passed candidates to those who failed would have been $4: 3$. The number of candidates who appeared in the examination was:

Ans
$\times 1.126$
2. 98
$\times 3.70$
$\times 4.100$
Q. 8 Two circles of radii 10 cm and 12 cm intersect each other and the length of their common chord is 16 cm . What is the distance (in cm ) between their centres?
Ans
X1. $6+3 \sqrt{5}$
2. $6+4 \sqrt{5}$

X 3. $6+5 \sqrt{5}$
X4. $6+2 \sqrt{5}$
Q. 9 Study the following graph and answer the question that follows.

$$
\begin{aligned}
& \text { Target and Actual Production of AC's (in thousands) } \\
& \text { of a factory over five months }
\end{aligned}
$$



The ratio of the actual production of ACs in March and April to that of the combined target production of ACs in January and April, is:

Ans

1. $6: 5$

X2. $5: 6$
X3. 5:2
X4. $2: 5$
Q. 10 If $\mathrm{x}: \mathrm{y}: \mathrm{z}=1: 2: 3$, what is the value of $\left(\frac{x^{2}+2 y^{2}+z^{2}}{3 x^{2}-2 y^{2}+4 z^{2}}\right)$ ?

Ans
$X 1 \cdot \frac{15}{31}$
$\times 2 . \frac{16}{31}$

- $3 . \frac{18}{31}$
$\times 4 . \frac{19}{31}$
Q. 11 Which is the largest number that will divide 2036 and 233 leaving remainders 12 and 13 , respectively?

Ans $\times 1.36$
2. 44
$\times 3.42$
$\times 4.46$
Q. 12 The ratio of the income of A and B is $1: 2$ and that of their expenditure is $2: 3$. If $80 \%$ of B 's expenditure is equal to the income of A, then what is the ratio of the savings of $A$ and $B$ ?

Ans
X1. 9:2
2. $2: 9$

X 3. 7:3
$\times 4.3: 7$
Q. 13 The average monthly expenditure of a family was $₹ 10,000$ during the first three months, $₹ 12,500$ during the next four months, and $₹ 13,500$ during the last five months of a year. If the total savings during the year were $₹ 32,500$, then the average monthly income (in ₹) of the family was:
Ans

- 1. 15,000

X 2. 17,250
X 3. 13, 750
X4. 14,250
Q. 14 When the price of sugar gets raised by $30 \%$, a person increases his expenditure on sugar only by $12 \%$. By what percentage (correct up to two decimal places) should he reduce his consumption of sugar so as to be able to maintain the same level of expenditure?

Ans
X 1. 12.75\%
2. $13.85 \%$

X 3. $11.54 \%$
X4. $15.75 \%$
Q. 15 ' $^{\prime}$ ' alone can do a piece of work in 10 days and ' $\mathbf{B}$ ' alone can do it in 15 days. ' $A$ ' and ' $B$ ' undertook to do the work for ₹42,000. With the help of ' $\mathrm{C}^{\prime}$, they completed the work in 5 days. How much (in ₹) is to be paid to C?

Ans

1. 7,000

X2. 15,000
X 3. 14,000
X4. 21,000
Q. 16 Study the following graph and answer the question that follows.

Target and Actual Production of AC's (in thousands) of a factory over five months


The actual production of ACs in March is what percentage more than the average target production of ACs over the period of 5 months (correct to the nearest integer)?

Ans
X1. $38 \%$
X2. $40 \%$
3. $39 \%$

X4. $41 \%$
Q. 17 A sells an article to $B$ at $12 \%$ profit. B sells it to $C$ at $9 \%$ loss. If C pays $₹ 15,288$ for it, then at what price (in ₹) is the article purchased by A?
Ans 1. 15,000
$\times$ 2. 16,000
X 3. 16,800
X4.14,250
Q. 18 In a week, the weights of a bag of tea were $350 \mathrm{~kg}, 280 \mathrm{~kg}, 340 \mathrm{~kg}, 270 \mathrm{~kg}, 360 \mathrm{~kg}, 310 \mathrm{~kg}, 300 \mathrm{~kg}$. The range (in kg) is:
Ans
$\times 1.80$
$\times 2.100$

- 3. 90
$\times 4.70$
Q. 19 What is the area (in $\mathrm{cm}^{2}$ ) of a trapezium whose parallel sides are 25 cm and 19 cm long, and the distance between them is 15 cm ?
Ans

1. 330
$\times 2.410$
$\times 3.345$
$\times 4.275$
Q. 20 The selling price of an article is $\frac{7}{6}$ times the cost price. What is the loss/gain percentage
(correct up to two decimal places)?
Ans
$X$ 1. Loss 19.54\%
$X$ 2. Gain 19.54\%
$\times$ 3. Loss $16.67 \%$
2. Gain 16.67\%
Q. 21 A farmer borrowed $₹ 1,32,000$ from a money lender to do cultivation in his field. The rate of interest is $12.5 \%$ p.a. compounded annually. At the end of two years, he cleared his loan by paying $₹ 1,07,062.50$ and his scooter. The cost (in ₹) of the scooter is:
Ans
X1. 50,000
X 2. 45,000
$\times$ 3. 75,000
3. 60,000
Q. 22 After allowing a discount of $10 \%$ on the marked price of an article, it is sold for $₹ 450$. Had the discount not been given, the profit would have been $25 \%$. What is the cost price (in ₹) of the article?
Ans
X1. 625
$\times 2.375$
4. 400
$\times 4.500$
Q. 23 There are 100 students in a class, out of which $70 \%$ are girls and others are boys. The average score of girls in a test is $20 \%$ more than that of boys. If the average score of all the students is 57 , then what is the average score of boys?
Ans
$\times 1.60$
$\times 2.45$
5. 50
$\times 4.75$
Q. 24

What is the simplified value of $\left\{\left(4-\frac{2}{1+\frac{2}{1-\frac{1}{2+\frac{3}{4}}}}\right) \div 1 \frac{5}{12}\right.$ of $\left.\frac{72}{145}-(4+3 \div 0.5-1)\right\}$ ?
Ans
, 1. -4
$\times 2.1$
$\times 3.3$
X4. -2
Q. 25 Eight copies of a book can be bought for a certain sum payable at the end of a year and ten copies of the same book can be bought for the same sum in cash money. What is the rate percentage of the interest?

Ans
X 1. $30 \%$
2. $25 \%$
$\times 3.10 \%$
X4.15\%

Section: General Awareness
Q. 1 Which of the following river systems has Wardha river as one of its significant rivers?

Ans 1. Godavari
X 2. Mahanadi
$X$ 3. Ganga
X 4. Krishna
Q. 2 In February 2020, the Shanghai Cooperation Organization (SCO) published 'List of Eight Wonders of SCO'. Which of the following Indian monuments figured in this list?
Ans
$X$ 1. Monuments at Mahabalipuram
2. Great Living Chola Temples
3. Khajuraho Group of Monuments
4. Statue of Unity
Q. 3 Who among the following was defeated by Aurangzeb in the Battle of Deorai?

Ans $\quad \times 1$. Shah Jahan
$\times 2$. Shah Shuja
3. Dara Shikoh

X 4. Murad Baksh
Q. 4 In which of the following periods is the meteor shower named Quadrantids generally visible from Earth?
Ans
X 1. August/September
X 2. October/November
X 3. May/June
4. December/January
Q. 5 Which of the following Articles of the Constitution of India lays down the duties and functions of the Union and State Public Service Commissions in India?
Ans
X 1. Article 312
2. Article 320

X 3. Article 308
$\times 4$. Article 316
Q. 6 Which of the following diseases is caused by a protozoa parasite of Leishmania species?
Ans
$X$ 1. Chikungunya
X 2. Malaria
3. Kala Azar

X 4. Polio
Q. 7 Which of the following is the name of the NASA programme to land first woman and next man on the Moon by 2024?
Ans
$X 1$. Orion
2. Artemis

X 3. Apollo
X 4. Nike
Q. 8 Which of the following union territories has representation in the Council of States?

Ans $\quad$ 1. Chandigarh
X 2. Lakshadweep
X 3. Andaman and Nicobar Islands
4. Puducherry
Q. 9 Which classical economist popularised the following phrase: "From each according to his ability, to each according to his needs"?
Ans
X 1. David Ricardo
$X$ 2. John Stuart Mill
X 3. Adam Smith
4. Karl Marx
Q. 10 Brahm Kanchibotla, who died in April 2020 in the US, is known for his contribution in the field of:
Ans
X 1. medical sciences
X 2. sports
$\times$ 3. theatre
4. journalism
Q. 11 The series of articles titled 'New Lamps for Old', strongly criticising the Congress for its moderate policy towards British rule, was authored by:
Ans
$X$ 1. Lala Lajpat Rai
X 2. Bipin Chandra Pal
3. Sri Aurobindo

X 4. Bal Gangadhar Tilak
Q. 12 In the year 2009, who among the following was appointed as the Leader of Opposition in the 15th Lok Sabha?
Ans
$X 1$. Arun Jaitley
2. Sushma Swaraj

X 3. Anantha Kumar
X 4. Smriti Irani
Q. 13 According to the '2nd Advance Estimates of Horticulture Production 2019-20', published by the Department of Agriculture, Cooperation and Farmers Welfare in June 2020, the total horticulture production in 2019-20 is estimated to be about $\qquad$ higher than 2018-19.
Ans
1.3\%

X 2. $2 \%$
X 3.4\%
$\times 4.1 \%$
Q. 14 In which of the following months may the meteor shower named Lyrids be seen from Earth?

Ans

1. April
$X 2$. February
$X$ 3. June
$X 4$. August
Q. 15 Of the languages recognised as Classical Languages by the Government of India, as on 30th June 2020, which of the following is the latest?

Ans
$X$ 1. Telugu
2. Odia

X 3. Malayalam
X 4. Kannada
Q. 16 Which of the following is the name of the spacecraft developed by SpaceX for NASA's manned mission to International Space Station?
Ans
$X$ 1. Crew Centaurus
2. Crew Dragon

X 3. Crew Shark
$X$ 4. Crew Aries
Q. 17 For which of the following countries does cricketer Ben Stokes play?

Ans
$X$ 1. South Africa
2. Australia

X 3. New Zealand
4. England
Q. 18 Who among the following cricketers is NOT among the Wisden Five Cricketers of the Year named by the 2020 edition of the Wisden Almanack?
Ans

1. Andre Russell

X 2. Ellyse Perry
$X$ 3. Jofra Archer
$X$ 4. Pat Cummins
Q. 19 Which of the following helps borrowers to overcome the problem of lack of collateral?

Ans
$X$ 1. Civil Societies
2. Self Help Groups

X 3. Pressure Groups
X 4. Non-Governmental Organizations
Q. 20 Which of the following communities of Sikkim is traditionally associated with the folk dance known as 'Chu-Faat'?
Ans
$X 1$. Nepalese
X 2. Tamang
3. Lepcha

X 4. Bhutia
Q. 21 As per the World Intellectual Property Organization (WIPO), China emerged as the top source of international patent applications filed with it in the year 2019. Which of the following countries held this place in the year 2018?
Ans
$X$ 1. Singapore
X 2. Japan
3. USA
$X$ 4. South Korea
Q. 22 To which of the following corporate houses does the leading vaccine manufacturing company Serum Institute of India Private Limited belong?
Ans
$X$ 1. Tata Group
X 2. Adani Group
X 3. Reliance Group
4. Cyrus Poonawalla Group
Q. 23 In which of the following states is the Srivilliputhur Elephant Reserve located?

Ans
X 1. Karnataka
$X$ 2. Telangana
3. Tamil Nadu

X 4. Andhra Pradesh
Q. 24 Which of the following rivers has Kishanganga river as one of its major tributaries?

Ans $\times 1$. Sutlej
$X$ 2. Chenab
X 3. Ravi
4. Jhelum

Question ID : 65497814789
Chosen Option : 1
Q. 25 In which of the following languages did Adikavi Pampa create his compositions?

Ans $\quad$ 1. Malayalam
2. Kannada
$X$ 3. Telugu
$\times 4$. Tamil

Multi Tasking Non Technical Staff Examination 2020

| Participant ID |  |
| :--- | :--- |
| Participant Name |  |
| Test Center Name | Dr. Kalam Academy |
| Test Date | 20/10/2021 |
| Test Time : | 4:00 PM - 5:30 PM |
| Subject | MTS Non Technical 2020 |

## Section: General English

Q. 1 Select the most appropriate word for the given group of words.

The cry of a goat
Ans

1. Bleat

X 2. Bray
X 3. Croak
X 4. Yelp
Q. 2 Select the most appropriate meaning of the given idiom.

## Bear the brunt

Ans
$X 1$. Be first to try something
$X$ 2. Confront a powerful rival
$X 3$. Know what is going on
4. Suffer the worst of something
Q. 3 Select the most appropriate ANTONYM of the given word.

PROFUSE
Ans
$X 1$. Sufficient
$X$ 2. Lush
$X$ 3. Plenty
4. Scant
Q. 4 Select the INCORRECTLY spelt word.

Ans

1. Preferance
2. Predict

X 3. Preface
X 4. Predominant
Q. 5 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The workers has called up the strike.
Ans
$X 1$. has called off
$X 2$. No substitution required
$X 3$. have called up

- 4. have called off
Q. 6 Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

One of the apples that you have picked up are rotten.
Ans
$X$ 1. that you have picked up
X 2. No error
3. are rotten
$\times 4$. One of the apples
Q. 7 Select the most appropriate meaning of the given idiom.

Behind closed doors
Ans
$X 1$. Do something alone
$\times 2$. Be in prison
$X$ 3. Be away from others
4. Do something secretly
Q. 8 Select the most appropriate option to fill in the blank.

In the morning I leave my house $\qquad$ eight o'clock.
Ans $\times 1$.in
2. at

X 3. on
X4. for

## Q. 9 Select the most appropriate ANTONYM of the given word.

DISTANT
Ans
X 1. Remote
X 2. Removed
X 3. Isolated
2. Near
Q. 10 Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Hundred and fifty rupees seem a high price for this little vase.
Ans

- 1. seem a high price

X 2. for this little vase
X 3. No error
X 4. Hundred and fifty rupees
Q. 11 Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

This is one trip whom I will never forget.
Ans
X 1. No error
$\times 2$. This is one trip
X 3. never forget
4. whom I will
Q. 12 Select the most appropriate option to fill in the blank.

I am sure that my seeds $\qquad$ by next week

Ans $\times 1$. are growing
2. will grow

X 3. grow
(4. grew
Q. 13 Select the most appropriate word for the given group of words.

Rub out writing
Ans

- 1. Erase

X 2. Abolish
X 3. Break
X4. Demolish
Q. 14 Select the most appropriate option to substitute the underlined segment in the given sentence.

The accused has been tortured before he was brought to the court.
Ans
$X 1$. was being tortured
$X 2$. has tortured
$X 3$. had tortured
4. had been tortured
Q. 15 Select the INCORRECTLY spelt word.

Ans
$X$ 1. Multiple
X 2. Murmur
3. Muddel

X 4. Mumble
Q. 16 Select the most appropriate synonym of the given word.

PREVENT
Ans 1. Block

- 2. Allow

X 3. Open
X 4. Push
Q. 17 Select the most appropriate option to fill in the blank.

Millions of people $\qquad$ during the acute famine of Odisha.
Ans
$X 1$. hungered
2. starved
$X$ 3. damaged
X 4. collapsed
Q. 18 Select the most appropriate option to fill in the blank.

The trek manager $\qquad$ that the trekkers rest for a while before the climb.
Ans

1. insisted
$\times 2$. informed
$X$ 3. told
X 4. warned
Q. 19 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The game of cricket is governed by strict laws like other sports where there are merely rules.

Ans

1. unlike
$X$ 2. such like
$X$ 3. No substitution required
X 4. quite like
Q. 20 Select the most appropriate synonym of the given word.

ELEGANT
Ans 1. Graceful
X 2. Intelligent
X 3. Common
X 4. Rough

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the options given. Select the most appropriate option for each blank.

Suraj waved to a passing train, and kept waving (1) $\qquad$ only the spiralling smoke remained. He (2) $\qquad$ waving to trains. He wondered (3) about (4)___ they were going and what it (5) $\qquad$ be like there. And when the train passed, Suraj was lonely.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in blank no. 1 .

Ans
$\times 1$. while
$X$ 2. when

- 3. until

X4. after

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the options given. Select the most appropriate option for each blank.

Suraj waved to a passing train, and kept waving (1)____ only the spiralling smoke remained. He (2) $\qquad$ waving to trains. He wondered (3) $\qquad$ the people in them, and about (4) they were going and what it (5) $\qquad$ be like there. And when the train had passed, Suraj was lonely.

SubQuestion No: 22
Q. 22 Select the most appropriate option to fill in blank no. 2.

Ans

1. liked
$\times 2$. likes
$X 3$. is liking
X 4. was liking

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the options given. Select the most appropriate option for each blank.

Suraj waved to a passing train, and kept waving (1)___ only the spiralling smoke remained. He (2) $\qquad$ waving to trains. He wondered (3)
$\qquad$ they were going and what it (5) $\qquad$ be like there. And when the train had passed, Suraj was lonely.

SubQuestion No: 23
Q. 23 Select the most appropriate option to fill in blank no. 3.

Ans
$X 1$. of
2. about
$X$ 3. for
$\times 4$. to

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the options given. Select the most appropriate option for each blank.

Suraj waved to a passing train, and kept waving (1)____ only the spiralling smoke remained. He (2)__ waving to trains. He wondered (3) the people in them, and about (4)___ they were going and what it (5)____ be be like there. And when the train had passed, Suraj was lonely.

SubQuestion No: 24

## Q. 24 Select the most appropriate option to fill in blank no. 4.

Ans

1. where
2. why

X 3. how
X 4. when

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the options given. Select the most appropriate option for each blank.

Suraj waved to a passing train, and kept waving (1)___ only the spiralling smoke remained. He (2)___ waving to trains. He wondered (3)___ the people in them, and about (4)___ they were going and what it (5)___ be like there. And when the train had passed, Suraj was lonely.

SubQuestion No: 25
Q. 25 Select the most appropriate option to fill in blank no. 5.

Ans
$X 1$. should
2. would
$\times 3$.can
$\times 4$. will
Q. 1 Select the figure that will replace the question mark (?) in the following figure series.


Ans

Q. 2 Among five rods, $P, Q, R, S$ and $T$, the weight of $T$ is 20 kg . The weight of $S$ is half the weight of $P$. The weight of $Q$ is one-fourth the weight of $P$. $R$ 's weight is twice the weight of $Q$. The weight of $P$ is twice the weight of $T$. Which rod is the lightest among all?
Ans
$\times 1 . \mathrm{P}$
X2.S

- 3. Q
$\times 4 . \mathrm{R}$
Q. 3 If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following expression?

5B3A4B(6C2)C(18D3)D2
Ans
$\times 1.37$
$\times 2.31$

- 3.28
$\times 4.45$
Q. 4 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.


N
Ans

$\times 1 .$|  | $\mathbf{g}$ | $\mathbf{A}$ |
| :--- | :--- | :--- |
|  |  |  |




Q. 5 There are five friends who are sitting in a line, all facing north. Mohit is sitting at the second place to the left of Arjun. Surya is sitting to the immediate left of Kartik. Harman is sitting to the immediate right of Mohit. There are two persons between Surya and Mohit. Which two persons are sitting at the corners?
Ans

1. Mohit and Kartik
X 2. Arjun and Kartik
$X$ 3. Mohit and Arjun
X 4. Harman and Kartik
Q. 6 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All thermometers are rockets.
All equipment are thermometers.
Conclusions:
I. Some rockets are equipment.
II. Some rockets are thermometers.

Ans
X 1. Only conclusion II follows
2. Both conclusions I and II follow

X 3. Neither conclusion I nor II follows
X 4. Only conclusion I follows
Q. 7 Select the option that is related to the third number in the same way as the second number is related to the first number.
$6: 50:: 11: ?$
Ans 1.145
$\times 2.169$
$\times 3.104$
$\times 4.99$
Q. 8 Select the set of classes the relationship among which is best illustrated by the following Venn diagram.


Ans 1. Lawyers, Mothers, Sisters
$X$ 2. Engines, Cars, Plants
$\times$ 3. Cardamom, Fenugreek, Spices
X 4. Architects, Boys, Girls
Q. 9 Which of the following numbers will replace the question mark (?) in the given series?

25, 34, 52, ?, 160, 304
Ans

- 1.88
$\times 2.80$
$\times 3.99$
X4.95
Q. 10 Which of the following numbers will replace the question mark (?) in the given series?

1080, 360, ?, 60, 30, 10, 5
Ans

- 1.180
$\times 2.240$
$\times 3.170$
$\times 4.120$
Q. 11 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).


Ans

Q. 12 A paper is folded and cut as shown in the given figures. How will it appear when unfolded?


Ans

Q. 13 Which two numbers should be interchanged to make the given equation correct?
$8 \times 7-42 \div 14 \times 2+21=66$
Ans

- 1.14 and 21
$\times 2.2$ and 7
X 3.14 and 42
$\times 4.7$ and 14
Q. 14 Five friends $A, B, C, D$ and $E$ are sitting in a line, all facing north. $E$ is sitting to the immediate left of $B$. $A$ is sitting to the immediate right of $C$. $D$ is to the immediate right of $B$. $B$ is third to the left of $A$. Who is sitting at the third place to the right of $E$ ?

Ans

1. C
$\times 2$. A
X 3. B
X4.D
Q. 15 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

PRIVATE : HWDYLUS : : SIGNIFY:?
Ans
X 1. BKLQJLR
2. BILQJLV

X 3. ZILQJLW
X 4. BIKRJLV
Q. 16 In a certain code language, 'USEFUL' is written as 'XVHCRI'. How will 'MORSEL' be written in that language?
Ans
X 1. ORUPCI
X 2. PRVPBJ
X 3. QRUQBI
4. PRUPBI
Q. 17 Which of the following letter-clusters will replace the question mark (?) in the given series?

BRAIN, DRAIN, DTAIN, ?, DTCKN, DTCKP
Ans

1. DTCIN

X 2. DTCIP
X 3. DRCIN
X4. DTACN
Q. 18 In a certain code language, 'PROCESS' is written as ' 321815351938 '. How will 'FREEZER' be written in that language?

Ans
X 1.14185526536
2. 12185526536

X 3. 12195526526
X 4. 60185526518
Q. 19 In a certain code language, 'NORM' is written as 'MNOR', and 'DORSAL' is written as 'ADLORS'. How will 'BUDGET' be written in that language?
Ans
X 1. DGEBTV
2. BDEGTU

X 3. BDEGUT
X 4. FDEGRU
Q. 20 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

595
73 ?
148180292
Ans
X 1.12
X 2.10
$\times 3.9$

- 4.11
Q. 21 Select the option that is related to the third word in the same way as the second word is related to the first word.

Ink : Write : : Medicine : ?
Ans
$X$ 1. Doctor
$X$ 2. Chemist
X 3. Tablet

- 4. Cure
Q. 22 Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All needles are threads.
No thread is a match-box.
Conclusions:
I. No needle is a match-box.
II. Some threads are needles.
III. Some match-boxes are needles.

Ans
X 1. Only conclusions I and III follow
X 2. All of the conclusions follow
X 3. Only conclusions II and III follow
4. Only conclusions I and II follow
Q. 23 Select the option that is related to the third word in the same way as the second word is related to the first word.

Pulses: Black gram : : Cereal : ?
Ans
X 1. Coriander
2. Rice

X 3. mustard
$\times 4$. Fertiliser
Q. 24 In a certain code language, 'MIXTURE' is written as '117', and 'FLOWER' is written as '85'. How will 'MERGER' be written in that language?
Ans
X 1.55
$\times 2.66$
$\times 3.86$
*. 72
Q. 25 Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.


Ans

$\times 2$.

Q. 1 The base of a triangle is increased by $30 \%$. By what percentage (correct to two decimal places) can its height be increased so that the area increases by $50 \%$ ?

Ans
X 1. $10.53 \%$
$\times 2.12 .38 \%$
X 3. $13.53 \%$

- $4.15 .38 \%$
Q. 2 On selling a bat for ₹ 954 , a man gains $6 \%$. What should be its selling price (in ₹) to gain $8 \%$ ?

Ans $\times 1.958$
X 2. 1,080
-3. 972
X4.1,054
Q. 3 The mean of $11,10,12,13,15, \mathrm{x}$ and 17 , is 15 . The value of x is:

Ans $\times 1.18$
$\times 2.29$
$\times 3.25$
4. 27
Q. 4 A manufacturer marks the price of an article at $\bar{₹} 1,200$. He sells it to a trader at a discount of $10 \%$. The trader gets a further discount of $5 \%$ on his net payment for paying in cash. What amount (in $₹$ ) does the trader pay to the manufacturer?

Ans
-1. 1,026
$\times 2.1,056$
X 3. 1,080
X4.1,020
Q. 5 What is the LCM of $0.126,0.36$ and 0.96 ?

Ans
$\times 1.20160$
2. 20.16

X 3. 201.60
$\times 4.2 .016$
Q. 6 The average weight of Sohum and his five friends is 48.5 kg . If Sohum is 3 kg more than the average weight of his five friends, what is Sohums's weight (in kg )?

Ans

1. 51.0
$\times 2.50 .0$
$\times$ 3. 50.5
$\times 4.51 .5$
Q. 7 A solid cube of side 15 cm is dropped into a rectangular container of length 25 cm , breadth 20 cm and height 18 cm , which is partly filled with water: If the cube is completely submerged, then the rise of water level (in cm ) is:

Ans
$\times 1.7 .75$
$\times 2.5 .25$
$\times 3.8 .75$

- 4.6 .75
Q. 8 Iwo trains $A$ and $B$ start with uniform speeds at the same time from points $P$ and $Q$, respectively, towards each other. After crossing each other, $A$ takes 16 hours to reach $Q$ and $B$ takes 4 hours to reach $P$. If train $A$ is moving with a speed of $54 \mathrm{~km} / \mathrm{h}$, the speed of $\mathrm{B}($ in $\mathrm{km} / \mathrm{h})$ is:
Ans
$\times 1.112$
$\times 2.27$
$\times 3.36$
-4. 108
Q. 9 A certain sum amounts to $₹ 1,543.50$ when invested for 2 years at $5 \%$ per annum compound interest. What is the sum (in ₹)?

Ans
X 1. 1,500

- 2. 1,400

X 3. 1,200
X4.1,600
Q. 10

The simplified value of $\frac{109-\{121 \div(11 \text { of } 11)-(-4)-(3-\overline{8-1})\}}{125-(-3)(4-\overline{6-2}) \div 3\{5+(-3) \text { of }(-6)\}}$ is:
Ans
$\times 1.125$
2. $\frac{4}{5}$

X 3. 100
X4. $\frac{5}{4}$
Q. 11 A certain sum of money, when invested at a certain rate of simple interest, amounts to Rs 1,102 in 2 years and Rs 1,600 in 5 years. What is the principal amount (in Rs):

Ans 1. 770
X 2. 880
$\times 3.990$
$\times 4.1,270$
Q. 12 To do a certain work, the ratio of the efficiencies of A and B is $5: 11$. Working together, they can do the same work in $27 \frac{1}{2}$ days. A and B work together for 20 days. C alone completes the remaining work in 18 days. C alone can do $75 \%$ of the original work in:

Ans
$\times 1.56 \frac{1}{2}$ days
$\times 2.35$ days
$\times 3.33$ days

- $4.49 \frac{1}{2}$ days
Q. 13 John sold a watch to Sue at a gain of $20 \%$, and Sue sold it to Rima at a profit of $10 \%$. If Rima paid ₹ 2,178 for it, how much did John pay (in ₹) for the watch?

Ans

1. 1,650

X2. 1,780
$\times 3.1,478$
$\times 4.1,200$
Q. 14 The given bar graph represents the sales of automobiles (in ₹ crores) by five companies

A, B, C, D and E in the years 2007-2008 and 2008-2009.
Study the bar graph and answer the question that follows.
(Note: The data shown below is only for mathematical exercise. It does not represent the actual figures of the companies)


What should have been the sales (in ₹ crores) of company E in 2008-2009 so that it would have shown the same increase over 2007-2008 as shown by the sales of automobiles of company C during these years?

Ans
X1. 1,130
2. 1,520

X 3. 1,360
X4.1,650
Q. 15 One-third of a journey is covered at a rate of $40 \mathrm{~km} / \mathrm{h}$, one-fourth at the rate of $35 \mathrm{~km} / \mathrm{h}$, and the rest at the rate of 45 $\mathrm{km} / \mathrm{h}$. The average speed for the whole journey (in $\mathrm{km} / \mathrm{h}$ ) is:

Ans
$\times 1 . \frac{5670}{187}$
$\frac{6750}{187}$
$\frac{6570}{187}$
4. $\frac{7560}{187}$
Q. 16 P can do a piece of the work in 18 days and $Q$ can do same work in 36 days. How long will they take (in days), if they work together, to complete the above mentioned work?
Ans
X1. 24
-2. 12
$\times 3.20$
$\times 4.10$
Q. 17 If three numbers are in the proportion of $1: 3: 4$ and two times the sum of the numbers is 80 , then the proportion of the squares of the numbers is:

Ans
X1. 4:36:64
X2. $25: 225: 500$

- 3. $1: 9: 16$

X4. 9:81:144
Q. 18 An earthworm of length 18 cm is crawling along a certain path with a speed of $4 \mathrm{~cm} / \mathrm{s}$. An insect overtakes the earthworm in 6 s . How fast ( $\mathrm{in} \mathrm{cm} / \mathrm{s}$ ) is the insect walking? Assume that they both are walking along parallel paths

Ans

1. 7.0
$\times 2.6 .5$
$\times 3.5 .5$
$\times 4.6 .0$
Q. 19 The sum of the height and radius of the base of a solid right circular cylinder is 46 cm . If the total surface area of the solid cylinder is $6072 \mathrm{~cm}^{2}$, what is the volume (in $\mathrm{cm}^{3}$ ) of the cylinder?
(Use $\pi=\frac{22}{7}$ )
Ans
, 1. $11025 \pi$
X 2. $3036 \pi$
X 3. 11025
X4. 3036
Q. 20 Study the given graph and answer the question that follows

Revenue and Expenditure of a company during 2014 to
2018 (in ₹ crores)


In how many years is the profit (Revenue - Expenditure) as a percentage of revenue, more than $28 \%$ ?

Ans
$\times 1.2$
$\times 2.4$
-3. 3
$\times 4.1$
Q. 21 A solid right circular cone is cut into two parts by a plane parallel to its base and at a point one-third vertically below its vertex. What is the ratio of the volume of the smaller cone to that of the whole cone?
Ans
$\times 1 . \frac{1}{9}$
$\times 2 . \frac{1}{8}$
3. $\frac{1}{27}$
$\times 4 . \frac{1}{3}$
Q. 22 The value of $\frac{13}{70} \div\left[\frac{4}{5}\left(\frac{1}{3}-\frac{1}{4} \times \frac{1}{5}\right) \div 2 \frac{5}{6}\right]-1 \frac{9}{28}$ is:

Ans
X1. 20
-2. 1
$\times 3.10$
$\times 4.12$
Q. 23 The ratio of the number of students in Science to that in Humanities, in Grade 12 of 360 students, is $2: 3$. When some new students are admitted, the number of Science students increase by 18 and the ratio of the Science students to Humanities students changes to $3: 5$. What is the number of new Humanities students admitted?

Ans

1. 54
$\times 2.45$
$\times 3.63$
$\times 4.72$
Q. 24 The capacities of three containers $\mathrm{P}, \mathrm{Q}$ and R are in the proportion of $5: 4: 8$. They are completely filled with a mixture of milk and water in the proportions of $1: 4,2: 3$ and $3: 5$, respectively. If the mixtures of all the three containers are mixed together, then what will be the proportion of milk to water in the final mixture?

Ans
X1.1:2
$\times 2.16: 81$
X 3. $25: 64$
4. $28: 57$
Q. 25 The given bar graph represents the sales of automobiles (in ₹ crores) by five companies

A, B, C, D and E in the years 2007-2008 and 2008-2009.
Study the bar graph and answer the question that follows.
(Note: The data shown below is only for mathematical exercise. It does not represent the actual figures of the companies)


What is the percentage difference (correct to two places of decimals) of the combined sales of the five companies in 2008-2009 compared to the combined sales of the five companies in 2007-2008?

Ans

1. $15.56 \%$
$\times 2.16 .48 \%$
$\times 3.18 .42 \%$
$\times 4.17 .64 \%$

Section: General Awareness
Q. 1 The Supreme Court of India was established on:

Ans
X 1.25 January 1954
X 2. 30 January 1950
X 3. 15 January 1952
4. 26 January 1950
Q. 2 Which city bagged the first rank as the cleanest city of India under Swachh Survekshan League 2020?
Ans

1. Indore
$X$ 2. Jhansi
X 3. Bhopal
X 4. Gwalior
Q. 3 Which of the following is NOT an instrument of the monetary policy of the Reserve Bank of India?
Ans
X 1. Liquidity Adjustment Facility (LAF)
$X$ 2. Repo rate
2. Goods and Services Tax (GST)

X 4. Cash Reserve Ratio (CRR)
Q. 4 Who is the chairperson of the Rajya Sabha?

Ans
$X 1$. The President of India
X 2. The Governor of India
3. The Vice-President of India
$X 4$. The Chief Justice of India

## Q. 5 Mahendragiri is the highest peak in the:

Ans $\quad \times 1$. Western Ghats
2. Eastern Ghats

X 3. Himalayan Range
X 4. Satpura Range

## Q. 6 The book 'Gitanjali' is authored by:

Ans $\quad \times 1$. Ganga Das
X 2. Harivansh Rai Bachchan
3. Rabindranath Tagore

X 4. Devaki Nandan Khatri

Question ID : 65497818209
Chosen Option: 3
Q. 7 The onus of Jallianwala Bagh massacre that happened in 1919 was on which General of the British Army?
Ans $\quad \times 1$. General Kitchener
2. General Dyer

X 3. General Stringer Lawrence
X 4. General Robert
Q. 8 Which among the following is a Harappan city?

Ans $\quad \times 1$. Kosala
X 2. Lumbini
3. Dholavira

X4. Hampi
Q. 9 Who among the following was the chief scientist of World Health Organization as of August 2020?
Ans
X 1. Dr. Naoko Yamamoto
2. Dr. Soumya Swaminathan

X 3. Dr. Zsuzsanna Jakab
X 4. Dr. Samira Asma
Q. 10 In which year was the Jal Jeevan Mission launched in India? The mission aims at providing potable water through its scheme of functional household tap connections.
Ans
X 1.2015
2. 2019

X 3.2009
X 4.2010
Q. 11 The People for the Ethical Treatment of Animals, India, have conferred $\qquad$ with the 'Hero to Animals Award' in 2020.
Ans
$X 1$. Sonu Sood
X 2. Maneka Gandhi
2. Naveen Patnaik

X 4. Sadaa Sayed
Q. 12 Who among the following is a famous Santoor player?

Ans

1. Pandit Shivkumar Sharma

X 2. Pandit Ravi Shankar
X 3. Ustad Bismillah Khan
X 4. Ustad Zakir Hussain
Q. 13 Rukmini Devi Arundale is a famous classical dancer of:

Ans $\quad$ 1. Kathak
2. Bharatnatyam

X 3. Mohiniattam
X 4. Kuchipudi
Q. 14 Which edition of Khelo India Youth Games was held in Guwahati in January 2020?

Ans
X 1. Second edition
X 2. Fifth edition
< 3. Fourth edition

- 4. Third edition
Q.15 An official enumeration of population done periodically is known as:

Ans $\times 1$. national register of citizens
2. demographic count
3. census
4. national population register
Q. 16 The Mattancherry palace is situated in:

Ans
X 1. Odisha
2. Kerala

X 3. Andhra Pradesh
X 4. Tamil Nadu
Q. 17 Which state among the following is the largest producer of coffee?

Ans

- 1. Karnataka

2. Tamil Nadu

X 3. Andhra Pradesh
X 4. Kerala
Q. 18 The 15th Finance Commission has been constituted by the President of India for a period of $\qquad$ years.
Ans
$X$ 1. three
X 2. six
$X 3$.four
4. five
Q. 19 Which department of the Government of India declares the minimum support prices?

Ans
$X$ 1. Department of Economic Affairs
2. Department of Agriculture and Cooperation

X 3. Department of Disinvestment
X 4. Department of Expenditure
Q. 20 Whitewashed walls appear to be shiny after three to four days due to the formation of:

Ans $\quad \times 1$. calcium nitrate
$\times$ 2. calcium sulphate
$X$ 3. calcium oxide
4. calcium carbonate
Q. 21 Which law explains about the tides due to the moon and the sun?

Ans

1. Law of gravitation

X 2. Law of reflection
X 3. Law of inertia
X 4. Law of refraction
Q. 22 Electoral roll is commonly known as:

Ans
$X$ 1. election count
2. voter's list
$X$ 3. election list
$\times 4$. serial list

## Q. 23 Which tissue among the following is a protective tissue in the animal body?

Ans
X 1. Muscular tissue
$\times 2$. Nervous tissue
$X$ 3. Connective tissue
4. Epithelial tissue
Q. 24 Which law was imposed in India during the command of General Dyer?

Ans $\times 1$. Preventive detention
$X$ 2. Discrimination law
$X$ 3. Simon law
4. Martial law

Question ID : 65497818226
Chosen Option : 4
Q. 25 With which of the following sports/games is Rani Rampal associated?

Ans 1. Hockey
$\times 2$ 2. Badminton
$X$ 3. Cricket
X 4. Boxing

