A - [AT -]



Air Force Common Admission Test

Solved Paper 2016

Directions (Q. Nos. 1-3) You have two brief passages with five questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives.

In May 1966, the World Health Organisation was authorised to initiate a global campaign to eradicate small-pox. The goal was to eradicate the disease in one decade. Because similar projects for malaria and yellow fever had failed, few believed that small-pox could actually be eradicated, but eleven years after the initial organisation of the campaign, no cases were reported in the field. The strategy was not only to provide mass vaccinations, but also to isolate patients with active small-pox in order to contain the spread of the disease and to break the chain of human transmission. Rewards for reporting small-pox assisted in motivating the public to aid health workers. One by one, each small-pox victim was sought out, removed from contact with others and treated. At the same time, the entire village where the victim had lived was vaccinated. Today small-pox is no longer a threat to humanity. Routine vaccinations have been stopped worldwide.

- 1. Which of the following is the best title for the passage?
 - (a) The World Health Organisation
 - (b) The Eradication of Small-pox
 - (c) Small-pox Vaccinations
 - (d) Infectious Diseases
- 2. What was the goal of the campaign against small-pox?
 - (a) To decrease the spread of small-pox worldwide
 - (b) To eliminate small-pox worldwide in ten years
 - (c) To provide mass vaccinations against small-pox world wide
- (d) To initiate worldwide projects for small-pox, malaria and yellow fever at the same time
- 3. According to the paragraph what was the strategy used to eliminate the spread of small-pox?
 - (a) Vaccination of the entire village
 - (b) Treatment of individual victims
 - (c) Isolation of victims and mass vaccinations
 - (d) Extensive reporting of outbreaks

Directions (Q. Nos. 4-9) In the following passage some of the words have been left out. First read the passage over and try to understand what it is about. Then, fill in the blanks with the help of the alternatives given.

Science means knowledge, but not all knowledge is science. I know from my own eyesight that our dog Chippy likes papaya; I know from a, book that Akbar was the (4) of Babar and diad in 1605; and I know (5) the radio that India did not do well in the latest Test matches. We can call these (6) of knowledge facts but they are not science.

Science (7) with facts, but not with facts which have (8) to do with each other, like the facts about our dog, cricket and the Moghul ruler, those facts are not related (9) and so have nothing to do with science. Science starts with observation.

- 4. (a) grandson (c) grand nephew
- (b) grandfather (d) son
- 7. (a) starts
- (b) stops
- (d) drives

- 8. (a) no
- (c) passes

- **5.** (a) on
- (b) in
- (c) since
- (d) from
- (b) neither
- (c) nor
- (d) nothing

- 6. (a) pieces
- (b) peace
- (c) whole
- 9. (a) by that way

- (d) block
- (c) from the side
- (b) in any way (d) in addition to

Directions (Q. Nos. 10-13) Out of the four alternatives, choose the one which expresses the meaning of the given words.

- 10. Luxuriant
 - (a) Luxury-loving (c) Rich
- (b) Lovely
- (d) Abundant
- **12.** Onus
 - (a) Sadness
- (b) Happiness

- 11. Cantankerous
 - (a) Cancerous (c) Quarrelsome
- (b) Ferocious
- (d) Fissiparous
- (c) Responsibility
- (d) Criticism
- 13. Derision
 - (a) Humiliation (c) Ridicule
- (b) Embarrassment
- (d) Condemnation

Directions (Q. Nos. 14-17) Choose the word opposite in meaning to the given words.

- 14. Advanced
 - (a) Progressed (b) Outpaced (c) Receded
- (d) Retarded
- 16. Devious
 - - (b) Obvious (c) Simple
- (d) Superficial

- 15. Enlighten
 - (a) Slander
- (b) Bemoan
- (c) Darken
- (d) Befog
- (a) Straight
- 17. Evanescent (a) Imminent
- (b) Permanent (c) Pervasive
- (d) Immanent

32. Kalinga Award is given for Directions (Q. Nos. 18-21) Out of the four alternatives, (c) Literature (d) Sports choose the one which can be substituted for the given (b) Science (a) Art 33. Which State government has announced to set-up words/sentence. bio-ethanol refinery in the State to tackle the menace of 18. One who hides away on a ship to obtain a free passage wheat and paddy straw burning? (b) Stoker (c) Stowaway (d) Shipwright (c) Uttar Pradesh (d) Bihar (a) Compositor (b) Punjab (a) Haryana 19. Clues available at a scene 34. National Tribal Crafts Mela 'Aadishilp' which provide (a) Circumstantial (b) Derivative tribal artisans an important platform to showcase their (d) Suggestive (c) Inferential talents through their products to urban India is observed in November, 2015 at which place? 20. An unexpected piece of good fortune (d) New Delhi (c) Agartala (b) Philanthropy (b) Silchar (a) Windfall (a) Tripura (d) Turnstile (c) Benevolence 35. Indigenous Terra Madre (ITM), a conclave centered on the philosophy of Slow Food, Agro biodiversity, Food 21. Detaining and confining someone Sovereignty, Agro-ecology, amongst others, was held at (b) Interrogation (a) Interruption (d) internment (c) Interment which place? (d) Tripura (c) Dispur (b) Kohima (a) Shillong Directions (Q. Nos. 22-26) Group of four words are 36. A Bench headed by NGT Chairperson Justice Swatanter given below. In each group, one word is correctly spelt. Kumar directed the Delhi government and the which Find the correctly spelt word. northern States to stop the age-old practice of straw (b) Comemorate 22. (a) Collaborate burning recently? (d) Choclate (c) Rajasthan (d) All of these (c) Colate (b) Haryana (a) Punjab 37. Union government issued a notification regarding the 23. (a) Circuiteous (b) Clairvoyant (c) Chivelery (d) Cavelcade long- pending One Rank-One Pension scheme for (b) Sovereignity 24. (a) Severety (d) Serenity which category people? (c) Superiorty (b) Ex-servicemen (a) Physically handicapped (b) Parsimonious 25. (a) Parapharnelia (d) None of these (c) Socially backward (d) Peadiatrics (c) Peccadilo 38. Chief Minister and JD (U) leader Nitish Kumar won the (b) Manageable 26. (a) Measureable Bihar Assembly Election 2015 and sworn-in as the CM (d) Manoevrable (c) Marriagable of Bihar. How many times he placed in this position Directions (Q. Nos. 27-30) Four alternatives are given including this time? for the underlined or given idiom/phrase. Choose the alternative which best expresses the meaning of the (d) 6(b) 4 (c) 5(a) 3 39. Tata Sons Chairman Emeritus Ratan Tata inaugurated underlined or given idiom/phrase. the T-Hub as the new face of India at which place? 27. I joined college late and found it difficult to catch up (b) Telangana (a) Andhra Pradesh (d) Tamil Nadu with other students. (c) Karnataka (b) to come to their level 40. The Annual Hundred Drums Wangala Festival observed (a) to compete with (d) to hold them and stop (c) to overtake them on November 12, 2015. It is a cultural fervour where ten Wangala Dance Troupes from various parts of which hills? 28. They have made many changes in the policy, but how many of these changes are going to affect the man in the street? (a) Garo hills (b) Khasi hills (c) Mizo hills (d) Jaintia hills (a) the homeless man 41. Which country has rescinded its law in November, 2015 banning many families from having more than one child? (b) the ordinary man (c) the man who works on the street (d) China (c) India (a) Indonesia (b) Bangladesh (d) the man who repairs roads 42. India has signed two MoUs i.e., co-operation in new and 29. The students wanted a holiday, but the Principal put his renewable energy and renewal of the cultural exchange foot down and said, 'No'. programme 2015-18 with which country? (b) kicked them (a) asserted his authority (b) France (a) Indonesia (d) came downstairs (c) stepped out (d) None of these (c) The UK 30. Why should you read between the lines whenever I say 43. Maldivian Parliament Majlis impeached whom in an this to you? extraordinary sitting where 61 Parliamentarians out of (a) read the lines with great speed the 85 present voted in favour of the motion? (b) interpret the lines wrongly (b) Mohd Jameel (a) Adeeb Ghafoor (c) find more meaning than the words appear to express (d) Mohd Ghafoor (c) Adeeb Jameel (d) read a text line-by-line slowly 44. Which country declared a State of emergency for a 31. AADHAAR is a unique identification number, which

period of 30 days?

(a) Mauritius

(c) New Zealand

(b) Maldives

(d) West Indies

the Unique Identification Authority of India (UIDAI)

will issue for all residents in India. How many digits

(c) 14

(d) 12

does this number consists of?

(a)10

(b) 8

	The G-20 Leaders' Summit, hosted in Antalya on November 15, 2015. Alongwith G-20 members which other countries are present there? (a) Azerbaijan (b) Spain (c) Malaysia (d) All of these India and China decided to deepen bilateral defence ties	(a) 1342 (b) 1482 (c) 1558 (d) 1670 61. What would be the compound interest obtained on an amount of ₹4000 at the rate of 5% per annum after 3 yr? (a) ₹612 (b) ₹578 (c) ₹525.5 (d) ₹630.5									
	and maintain peace and tranquillity at which area? (a) Ladakh (b) Leh (c) LoC (d) None of these	62. What is the least number to be added to 7700 to make it a perfect square?(a) 131(b) 121									
49.	Former RBI Deputy Governor Subir Gokarn was appointed in (a) IMF (b) World Bank (c) UNSC (d) None of these	(c) 77 (d) None of these 63. The average age of a man and his son is 40 yr. The ratio of their ages is 7:3, respectively. What is the man's age? (a) 70 yr (b) 63 yr									
50.	Which motor company become the first manufacturer to test drive its driverless vehicle on November 15, 2015? (a) Mercedes (b) Ferrari (c) Tata (d) Ford	(c) 56 yr (d) 49 yr 64. A canteen requires 28 dozen bananas for a week. How many dozen bananas will it require for 47 days?									
51.	Union government has been approved Atal Mission for Rejuvenation and Urban Transformation (AMRUT) Action Plans for 81 cities in which State(s)? (a) Tamil Nadu (b) Madhya Pradesh (c) Jharkhand (d) All of these	 (a) 2256 (b) 322 (c) 196 (d) None of these 65. A and B can do a piece of work in 72 days, B and C in 120 days and A and C in 90 days. In what time can A alone do it? 									
52.	The students in three classes are in each class in the ratio 2:3:5. If 40 students are increased in each class the ratio change to 4:5:7. Originally the total number of student was (a) 100 (b) 180 (c) 200 (d) 400	(a) 90 days (b) 120 days (c) 150 days (d) 180 days Directions (Q. Nos. 66-70) Each of these questions									
53.	The ratio of incomes of two persons is $5:3$ and that of their expenditure is $9:5$. The income of each person if they save $\overline{<}$ 1300 and $\overline{<}$ 900 respectively, is (a) $\overline{<}$ 4000, $\overline{<}$ 2400 (b) $\overline{<}$ 3000, $\overline{<}$ 1800 (c) $\overline{<}$ 5000, $\overline{<}$ 3000 (d) $\overline{<}$ 4500, $\overline{<}$ 2700	given below contains three elements. These elements may or may not have some inter-linkage. Each group of elements may fit into one of these diagrams at (a), (b), (c) and (d). You have to indicate the group of elements which correctly fits the diagrams.									
54.	How much quantity of water must be added to 48 mL of alcohol to make a solution that contain 25% alcohol? (a) 48 mL (b) 64 mL (c) 144 mL (d) 192 mL	66. Which of the following diagram indicates the best relation between Teacher, Poet and Graduate?									
55.	Dilip, Ram and Amar started a shop by investing ₹ 2700, ₹ 8100 and ₹ 7200 respectively. At the end of 1 yr, the profit was distributed. If Ram's share was ₹ 3600, their total profit was (a) ₹ 10800 (b) ₹ 11600 (c) ₹ 8000 (d) None of these	(a) (b) (d) (d)									
56.	Find the largest number which when subtracted from 10000, the remainder is divisible by 32, 36, 48 and 50. (a) 8272 (b) 7408 (c) 9136 (d) 8674	67. Which of the following diagram indicates the best relation between Teachers, Men and Authors?									
57 .	A shopkeeper offers his customers 10% discount and still makes a profit of 26%. What is the actual cost to him of an article marked ₹ 280? (a) ₹ 175 (b) ₹ 200 (c) ₹ 225 (d) ₹ 215	(a) (b) (b)									
58,	A 150 m long train crosses a mile-stone in 15 s and a train of same length coming from opposite direction in 12 s. The speed of other train is (a) 36 km/h (b) 54 km/h (c) 50 km/h (d) 45 km/h	(c) (d) (d)									
		·									

45. Which country has been declared Ebola-free by the World Health Organisation (WHO) recently?

46. India and UK announced deals worth £ 9 billion in the

(b) Sierra Leone

(b) Cyber security

(d) All of these

(d) (a) and (b)

(a) Liberia

(c) Guinea

area of

(a) Defence

(c) Railway

59. A tree increases annually by $\frac{1}{8}$ th of its height. By how much will it increase after $2\frac{1}{2}$ yr if it stands today 8 m

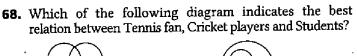
(b) 15.60 m (c) 11.85 m

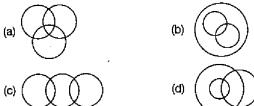
60. The difference between 63% of a number and 45% of the

(d) 12.25 m

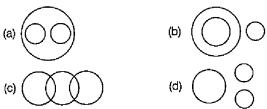
high?

(a) 10.75 m

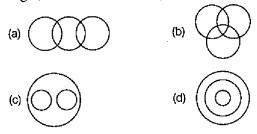




69. Which of the following diagram indicates the best relation between Rose, Flower and Lotus?



70. Which of the following diagram indicates the best relation Tiger, Four-footed and Elephant?



Directions (Q. Nos. 71-75) In each of the following questions, there is a certain relationship between two given words on one side of (::) and one word is given on another side of (::) while another word is to be selected from the given alternatives, having the same relationship with this word as the words of the given pair bear. Choose the correct alternative.

- 71. Melt: Liquid:: Freeze:?
 (a) ice (b) Condense (c) Solid (d) Crystal
- 72. Forecast : Future : : Regret : ?
 (a) Present (b) Atone (c) Past (d) Sins
- 73. Fear : Threat : : Anger : ?
 (a) Compulsion
 (c) Provocation
 (d) Force
- 74. Clock: Time:: Thermometer:?
 (a) Heat
 (b) Radiation
 (c) Energy
 (d) Temperature
- 75. Paw: Cat:: Hoof:?
 (a) Horse (b) Lion (c) Lamb (d) Elephant

 Directions (C) Nos 76-80) In each of the follo

Directions (Q. Nos. 76-80) In each of the following questions, four words have been given out of which three are alike in same manner, while the fourth one is different. Choose the word which is different from the rest.

Choose the word which is different from the rest.

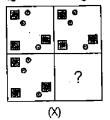
76. (a) Room (b) Chamber (c) Veranda (d) Cabin

- 77. (a) Mouth Organ (c) Keyboard
- (b) Electric Guitar
- (d) Sonata
- **78.** (a) Heat
- (b) Light
- (c) Bulb
- (d) Electricity(d) Stationary

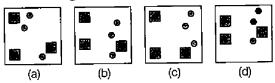
- 79. (a) Paper80. (a) Inch
- (b) Pencil(b) Metre
- (c) Pen (c) Yard
- (d) Quart

Directions (Q. Nos. 81-85) In each of the following questions, select a figure from amongst the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.

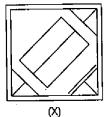
81. Question Figure



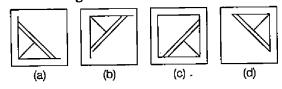
Answer Figures



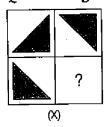
82. Question Figure



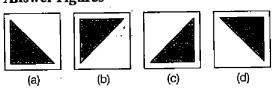
Answer Figures



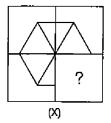
83. Question Figure



Answer Figures



84. Question Figure



Answer Figures

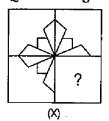








85. Question Figure



Answer Figures



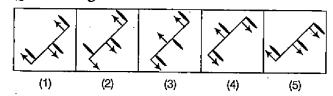




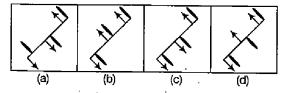


Directions (Q. Nos. 86-90) Each of the following questions, consists of five figures marked (1), (2), (3), (4) and (5) called the question followed by four other figures marked (a), (b), (c) and (d) called answer figures. Select a figure from amongst the answer figures which will continue the same series as established by the five question figures.

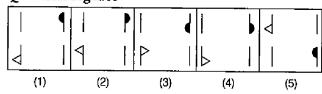
86. Question Figures



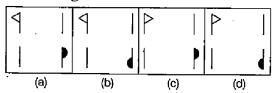
Answer Figures



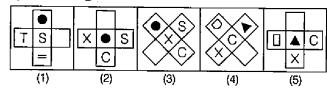
87. Question Figures



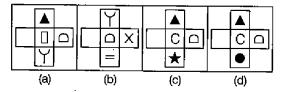
Answer Figures



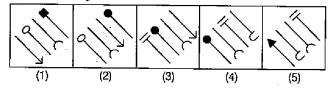
88. Question Figures



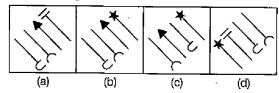
Answer Figures



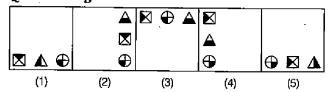
89. Question Figures



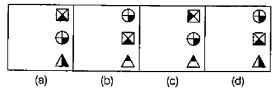
Answer Figures



90. Question Figures

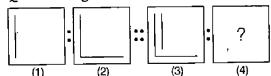


Answer Figures

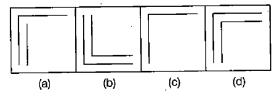


Directions (Q. Nos. 91-95) Each of the following questions, consist of two sets of figures. Figures (1), (2), (3) and (4) constitute the problem set while figures (a), (b), (c) and (d) consitute the answer set. There is a definite relationship between figures (1) and (2) establish a similar relationship between figures (3) and (4) by selecting a suitable figure from the answer set that would replace the question mark (?) is figure (4).

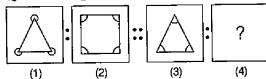
91. Question Figures



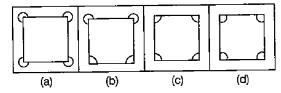
Answer Figures



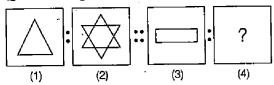
92. Question Figures



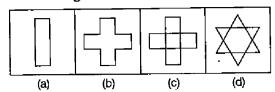
Answer Figures



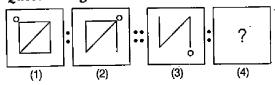
93. Question Figures



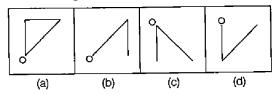
Answer Figures



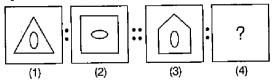
94. Question Figures



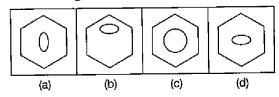
Answer Figures



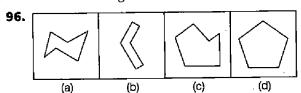
95. Question Figures

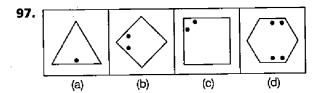


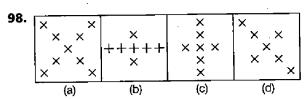
Answer Figures

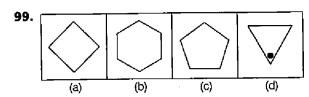


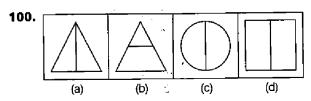
Directions (Q. Nos. 96-100) In each problem, out of the four figures marked (a), (b), (c) and (d), there are similar in a certain manner. However, our figure is not like the other three. Choose the figure which is different from the rest.











Answers

1.	(b)	2.	(b)	3.	(c)	4.	(a)	5.	(d)	6.	(a)	7.	(a)	8.	(d)	9.	(b)	10	(4)
11.	(c)	12.	(c)	13.	(c)	14.		15.		16.		17.		18.		19.		10. 20.	(d)
21.		22.	(a)	23.	(b)	24.		25.		26.		27.		28.		29.		30.	
31.		32.	(b)	33.	(b)	34.	(d)	35.		36.		37.		38.		39.		40.	
41.		42.		43.		44.	(b)	45.	(d)	46.		47.		48.		49.		50.	
51.		52.		53.		54.	(c)	55.	(c)	56.		57.		58.		59.		60.	
61.		62.		63.		64.		65.	(b)	66.	(b)	67.		68.			(a)	70.	
71.		72.		73.		74.		75.		76.	(c)	77.	(c)	78.		79.		80.	
81.		82.		83.		84.		85.		86.	(d)	87.	(a)	88.	(a)	89.		90.	
.91.	(b)	92.	(a)	93.	(c)	94.	(b)	95.	(d)	96.	(d)	97.	(d)	98.	(b)		(d)	100.	

Hints and Solutions

52. Let the number of student in three classes be 2x, 3x and 5xrespectively. Due to increase of 40 students in each class,

we have
$$\frac{2x + 40}{3x + 40} = \frac{4}{5} \Rightarrow 10x + 200 = 12x + 160$$

$$\Rightarrow$$
 2x = 40 \Rightarrow x = 20

.. Total number of students initially = 2x + 3x + 5x = 10x = 200

53. Let the income of two persons are ₹ 5x and ₹ 3x and the expenditure of two persons are ₹ 9y and ₹ 5y respectively.

$$5x - 9y = 1300$$
 ...(i) and $3x - 5y = 900$...(ii)

3x - 5y = 900...(ii) On solving Eqs. (i) and (ii), we get x = 800, y = 300

Income of first person = 5 × 800 = ₹ 4000

and income of second person = $3 \times 800 = ₹2400$ **54.** Let x mL must be added, $\frac{48}{x + 48} = \frac{25}{100} \Rightarrow \frac{48}{x + 48} = \frac{1}{4}$

$$\Rightarrow$$
 x + 48 = 192, x = 192 - 48 = 144 mL

55. Ratio of their investment = 2700:8100:7200 = 3:9:8

Let the total profit =
$$\frac{7}{4} \times x$$

Then, $3600 = \frac{9}{20} \times x \therefore x = \frac{3600 \times 20}{9} = \frac{7}{4} \times 8000$

- **56.** LCM of 32, 36, 48, 54 = 864
 - :. Required number = 10000 864 = 9136
- 57. Cost price = ₹ x and marked price = ₹ 280

SP = 90% of ₹ 280 =
$$\frac{90}{100}$$
 × 280 = ₹ 252

Given, 126% of
$$x = 252$$
 ∴ $x = \frac{252 \times 100}{126} = ₹200$

58. Speed of first train = $\frac{150}{15}$ = 10 m/s, Second case, $\frac{150 + 150}{x + 10}$ = 12

Where, x = speed of other train

$$\Rightarrow$$
 300 = 12x + 120 \Rightarrow x = $\frac{180}{12}$ = 15 m/s

∴ Required speed = $15 \times \frac{18}{5} = 54$ km/h

59. Height of tree after 1 yr = 8 + 8 × $\frac{1}{8}$ = 9 m

Height of tree after 2 yr = 9 + 9 $\times \frac{1}{8} = \frac{72 + 9}{9} = \frac{81}{9}$ m

Height of tree after $2\frac{1}{2}$ yr

$$=\frac{81}{8}+\frac{81}{8}\times\frac{1}{16}=\frac{81}{8}\left(1+\frac{1}{16}\right)=\frac{81}{8}\times\frac{17}{16}=\frac{1377}{128}=10.75\,\mathrm{m}$$

60. Let the number is x. According to the question,

$$63\%$$
 of $x - 45\%$ of $x = 342$

$$\Rightarrow x \times \frac{63}{100} - x \times \frac{45}{100} = 342 \Rightarrow \frac{63x}{100} - \frac{45x}{100} = 342$$
$$\Rightarrow \frac{63x - 45x}{100} = 342 \Rightarrow \frac{18x}{100} = 342$$

$$\Rightarrow 18x = 342 \times 100 \Rightarrow x = \frac{342 \times 100}{18} = 1900$$

$$78\% \text{ of } 1900 = 1900 \times \frac{78}{100} = 19 \times 78 = 1482$$

78% of 1900 = 1900 ×
$$\frac{78}{100}$$
 = 19 × 78 = 1482

61. Correct spacing

$$= P \left[\left(1 + \frac{r}{100} \right)^3 - 1 \right] = 4000 \left[\left(1 + \frac{5}{100} \right)^3 - 1 \right]$$

$$= 4000 \left[\left(\frac{105}{100} \right)^3 - 1 \right] = 4000 \left[\left(\frac{21}{20} \times \frac{21}{20} \times \frac{21}{20} \right) - 1 \right]$$

$$= 4000 \left[\frac{9261}{8000} - 1 \right] = 4000 \left[\frac{9261 - 8000}{8000} \right] = 4000 \times \frac{1261}{8000}$$

$$= 7630.50$$

62.
$$7700 + 221 = \sqrt{7921} = 49$$

- **63.** The total age of man and his son = $40 \times 2 = 80 \text{ yr}$ Total ratio = 7 + 3 = 10 Man's age = $\frac{80}{10} \times 7 = 56$ yr
- 64. ∴ In 7 days, a canteen requires = 28 x 12 bananas ∴ In 1 day, a canteen requires = $\frac{28 \times 12}{2}$ bananas

∴ In 47 days, a canteen requires $\frac{28 \times 12}{7} \times 47 = 2256$ bananas

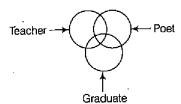
65. Let A, B and C can do a piece of work in x, y and z days

$$\begin{array}{ll}
\therefore & 2\left(\frac{1}{x} + \frac{1}{y} + \frac{1}{z}\right) = \frac{1}{72} + \frac{1}{120} + \frac{1}{90} \\
\Rightarrow \frac{1}{x} + \frac{1}{y} + \frac{1}{z} = \frac{1}{2}\left[\frac{5+3+4}{360}\right] \Rightarrow \frac{1}{x} + \frac{1}{y} + \frac{1}{z} = \frac{12}{2 \times 360} \\
\therefore & \frac{1}{x} + \frac{1}{y} + \frac{1}{z} = \frac{1}{60} \because \frac{1}{y} + \frac{1}{z} = \frac{1}{120} \\
\therefore & \frac{1}{x} = \frac{1}{60} - \frac{1}{120} = \frac{1}{120}
\end{array}$$

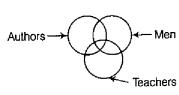
Hence, A alone will complete the work in 120 days.

66. Some trachers can be poet.

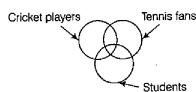
Some raduates can be teacher or poets. Hence, the diag, am will be



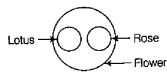
67. Some teachers can be authors. Some teachers can be men. Also, some authors can be men. So, the diagram of these partly related classes will be



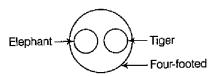
68. Some students can be Cricket players tennis fans or cricket players. Even some tennis fans can be cricket players.



69. Rose and lotus are different type of flowers.



 Tigers and Elephants are four-tooted and are different animals.



- **71.** By Melting, Liquid is formed or got. Like this, by Freezing, Solid is formed.
- 72. For Future actions or happenings Forecast is used. Like this, Regret is used for Past actions.
- 73. First is the result of the second, i.e., when second happens, first arises as a result. Due to Threat, Fear arises. Like this, due to Provocation, Anger arises.
- Clock is used to know Time and Thermometer is used to know Temperature.
- **75.** Foot of the Cat is called Paw. Similarly, the foot of the Horse is called Hoof.
- 76. Except "Veranda", all others have door.
- 77. Except 'Keyboard,' all others are musical instruments.
- 78. Others are represents the Heat. So, Heat is different from other three.
- 79. Paper, Pencil and Pen come in the class of stationary items.
- **80.** Inch, Metre and yard are unit of measuring distances. But Quart is not unit of measuring distance.
- **81.** On putting option (a) in blank space of question gure.

Figure becomes complete. Hence, option (a) the correct answer.



82. On putting option (b) in blank space of question gure.



Figure becomes complete. Hence, option (b) is the correct answer.

83. On putting option (b) in blank space of question figure.

Figure becomes complete. Hence, option (b) is the correct answer.



84. On putting option (c) in blank space of question figure

Figure becomes complete. Hence, option (c) is the correct answer.



85. On putting option (c) in blank space of question figure.

Figure becomes complete. Hence, option (c) is the correct answer.



- **86.** In the subsequent figures respectively one, two, three, four, five ... smaller designs shift to the other side of line segment in a set order.
- **87.** After four figures the designs move one step in clockwise direction and designs are inverted laterally and horizontally in alternate manner.
- **88.** From first figure to second figure one design moves to the central position and the central design moves to the adjacent sector while the other two designs are replaced with new designs. Similar changes would occur from question figure (3) to (4) and from question figure (5) to answer figure.
- **89.** From question figure (1) to (2) the lowermost design moves to the second position and the first design is replaced with a new design. From question figure (2) to (3) the first design moves to the third position and the lowermost design is replaced with a new design. These two steps are repeated alternately in the subsequent figures.
- 90. In each subsequent figures the first design shows no change, the outer two designs move one and half steps in anti-clockwise direction and shaded part of one of these two designs moves anti-clockwise.
- 91. One line is added at the bottom of the first figure to arrive at the second figure. Similar logic is followed for figure which will replace the '?'.
- 92. One more arm/side is added to the first figure to arrive at the second figure. The half circle at the corner of the sides, which were at the outside, comes in.
- **93.** First design of first pair of question figure is inverted and then it is placed on the original to get the second figure of the pair similar concept is used in second pair to get the right answer.
- **94.** The symbol 'O' is moving from one corner to another in clockwise direction 90° in each step and one line is removed while second figure is formed.
- **95.** One line is added and the inner design is rotated 90° to the first figure to get the second one.
- 96. All other figures are made of six line segments. Only figure (d) is made of five line segments.
- 97. The difference in number of lines of the figure and the dot/does it is two, except in figure (d), where the difference is one.
- 98. All the figure, except figures (b) consist of 'x' signs only. But figure (b) consist of 'x' cross and '+' (plus) signs as well.
- 99. None of the figures, except figure (d), have a small figure inside it.
- 100. All the figure except figure (b), are divided in two equal parts.