

Seat No.
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Total No. of Pages : 34

**P.G. Entrance Examination, 2024**  
**M.B.A. (Distance/Executive Mode)**  
**Sub. Code : 71136**

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**Day and Date : Sunday, 18/ 08/ 2024****Total Marks : 100****Time : 12.00 pm to 01.30 pm**

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**Instructions :**

- 1) All questions are compulsory.
  - 2) Each question carries 1 mark.
  - 3) Answers should be marked in the given OMR answer sheet by darkening the appropriate option.
  - 4) Follow the instructions given on OMR sheet.
  - 5) Rough work shall be done on the sheet provided at the end of question paper.
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- 1) Find the next term in the series: 3, 6, 9, 18, 27, 54, ....

A. 81

B. 69

C. 108

D. 72

- 2) Find the area of a right angled triangle whose hypotenuse is 10 cm and base 8 cm.

A. 34 sq.cm

B. 36 sq.cm

C. 24 sq.cm

D. 48 sq.cm

- 3) Speed of a boat in still water is 9 km/hr. It goes 12 km down stream and comes. back to the starting point in three hours. What is the speed of water in the stream?  
  
A. 3.5 km/hr  
B. 3 km/hr  
C. 5 km/hr  
D. 5.5 km/hr
- 4) In a class of 100 students, 50 students passed in Mathematics and 70 passed in English, 5 students failed in both Mathematics and English. How many students passed in both the subjects?  
  
A. 50  
B. 40  
C. 35  
D. 25
- 5) The perimeter of a rectangular field is 480 meters and the ratio between the length and breadth is 5:3. The area of the field is  
  
A. 11,500 m<sup>2</sup>  
B. 12,500 m<sup>2</sup>  
C. 13,500 m<sup>2</sup>  
D. 14,500 m<sup>2</sup>
- 6) What is the sum of two consecutive even numbers, the difference of whose squares is 84?  
  
A. 32  
B. 34  
C. 38  
D. 42

- 7) Pipe A can fill a tank in 20 minutes and Pipe B in 30 mins and Pipe C can empty the same in 40 mins. If all of them work together, find the time taken to fill the tank?
- A.  $15 \frac{1}{7}$  minutes  
B.  $12 \frac{1}{7}$  minutes  
C.  $17 \frac{1}{7}$  minutes  
D.  $10 \frac{1}{7}$  minutes
- 8) The sum of the digits of a two digit number is 12. If the new number formed by reversing the digits is greater than the original number by 54, then what will be the original number?
- A. 93  
B. 28  
C. 48  
D. 39
- 9) A shopkeeper purchased 200 bulbs for Rs. 10 each. However, 5 bulbs were fused and had to be thrown away. The remaining were sold at Rs. 12 each. What will be the percentage profit?
- A. 13  
B. 15  
C. 17  
D. 22
- 10) The length of a rectangular field is thrice its breadth. If the cost of cultivating the field at Rs. 367.20 per square meter is Rs. 27,540, then what is the perimeter of the rectangle?
- A. 47m  
B. 39m  
C. 52m  
D. 40m

- 11) What should come in the place of question mark (?) in the following letter series based on the English alphabetical order?

NMO, RQS, VUW, ZYA, ?

- |        |        |
|--------|--------|
| A. DCE | B. BCD |
| C. ECD | D. FCD |

- 12) What should come in the place of question mark (?) in the following letter series based on the English alphabetical order?

DCXW, FEVU, GHTS, JIRQ, ?

- |         |         |
|---------|---------|
| A. LKPO | B. ABYZ |
| C. JIRO | D. LMRS |

- 13) What should come in the place of question mark (?) in the following letter series based on the English alphabetical order?

BYW, DUX, FQY, ?

- A. HZM
- B. HCZ
- C. HMZ
- D. None of these

- 14) a.....ca.....bc ..... bcc .....bca

- |         |         |
|---------|---------|
| A. bbab | B. baba |
| C. aabb | D. bbaa |

- 16) Soldier : Gun :: Blacksmith :?
- A. Wood
  - B. Sword
  - C. Iron
  - D. Hammer
- 16) If + means divide, x means minus, + means multiply and - means plus, then find the value of  $9 + 3 + 4 - 8 \times 2$  ?
- A. 15
  - B. 17
  - C.  $17 \frac{1}{2}$
  - D. 18
- 17) If  $1 = 3$ ,  $2 = 5$ ,  $3 = 7$ ,  $4 = 9$ , then  $7 = ?$
- A. 15
  - B. 13
  - C. 17
  - D. 11
- 18) The ratio of boys and girls in a school is 3: 2, 20% of boys and 25% of girls are scholarship holders. The percentage of students who are scholarship holders are?
- A. 45
  - B. 35
  - C. 60
  - D. 22

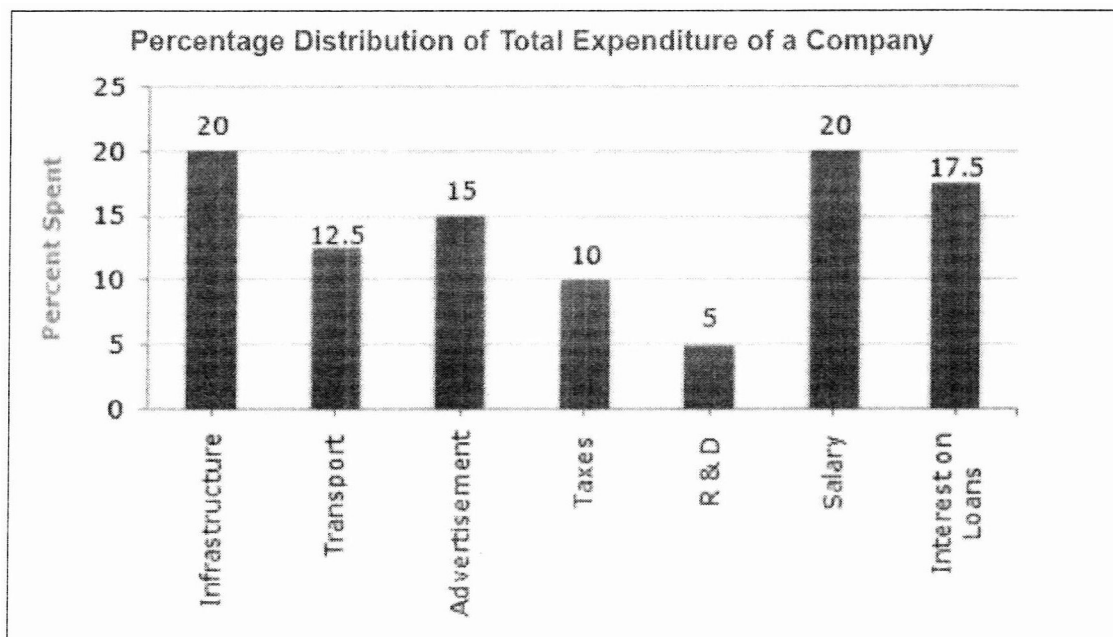
- 19) Laws of nature are not commands but statements of acts. The use of the word "law" in this context is rather unfortunate. It would be better to speak of uniformities in nature. This would do away with the elementary fallacy that a law implies a law giver. If a piece of matter does not obey a law of nature it is punished. On the contrary, we say that the law has been incorrectly started. The author is not happy with word 'law' because
- A. it connotes rigidity and harshness
  - B. it implies an agency which has made them
  - C. it does not convey the sense of nature's uniformity
  - D. it gives rise to false beliefs
- 20) Male lions are rather reticent about expanding their energy in hunting more than three quarters of kills are made by lionesses are in front, tensely scanning ahead. the cubs lag playfully behind and the males bring up the rear, walking slowly, their massive heads nodding with each step as if they were bored with the whole matter. But slothfulness may have survival value. With lionesses busy hunting, the males function as guard for the cubs, protecting them particularly from hyenas. According to the passage male lions generally do not go for huntings because
- A. they don't like it.
  - B. they want lioness to get training
  - C. they wish to save their vigour for other things
  - D. they are very lazy

- 21) Male lions are rather reticent about expanding their energy in hunting more than three quarters of kills are made by lionesses are in front, tensely scanning ahead. the cubs lag playfully behind and the males bring up the rear, walking slowly, their massive heads nodding with each step as if they were bored with the whole matter. But slothfulness may have survival value. With lionesses busy hunting, the males function as guard for the cubs, protecting them particularly from hyenas. Male lions protect their cubs
- A. from the members of their own species
  - B. from hyenas only
  - C. from hyenas as much as from other enemies
  - D. more from hyenas than from other animals
- 22) What needs to be set right is our approach to work. It is a common sight in our country of employees reporting for duty on time and at the same time doing little work. If an assessment is made of time they spent in gossiping, drinking tea, eating "pan" and smoking cigarettes, it will be shocking to know that the time devoted to actual work is negligible. The problem is the standard which the leadership in administration sets for the staff. Forgot the ministers because they mix politics and administration. What do top bureaucrats do? What do the below down officials do? The administration set up remains weak mainly because the employees do not have the right example to follow and they are more concerned about being in the good books of the bosses than doing work. The word 'assessment' means
- A. enquiry
  - B. report
  - C. evaluation
  - D. summary

- 23) What needs to be set right is our approach to work. It is a common sight in our country of employees reporting for duty on time and at the same time doing little work. If an assessment is made of time they spent in gossiping, drinking tea, eating "pan" and smoking cigarettes, it will be shocking to know that the time devoted to actual work is negligible. The problem is the standard which the leadership in administration sets for the staff. Forgot the ministers because they mix politics and administration. What do top bureaucrats do? What do the below down officials do? The administration set up remains weak mainly because the employees do not have the right example to follow and they are more concerned about being in the good books of the bosses than doing work. The leadership in administration
- A. sets a fine example to the employees
  - B. is of a reasonably high standard
  - C. is composed of idealists
  - D. is of a very poor standard

**Direction for Question No 24 to Question No 28.**

The bar graph given below shows the percentage distribution of the total expenditures of a company under various expense heads during 2003, The expenditure on the interest on loans is by what percent more than the expenditure on transport?





- 24) The total amount of expenditures of the company is how many times of expenditure on research and development?
- A. 27 B. 20
- C. 18 D. 8
- 25) If the expenditure on advertisement is 2.10 crores then the difference between the expenditure on transport and taxes is?
- A. Rs. 1.25 crores
- B. Rs. 95 lakhs.
- C. Rs. 65 lakhs
- D. Rs. 35 lakhs
- 26) What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans?
- A. 5:4 B. 8:7
- C. 9:7 D. 13:11
- 27) If the interest on loans amounted to Rs. 2.45 crores then the total amount of expenditure on advertisement, taxes and research and development is?
- A. Rs. 7 crores
- B. Rs. 5.4 crores
- C. Rs. 4.2 crores
- D. Rs. 3 crores

- 28) The expenditure on the interest on loans is by what percent more than the expenditure on transport?
- A. 5% B. 10%
- C. 20% D. 40%
- 29) If 15% of Y is same as 21% of Z, then 12.5% of Y is equal to what per cent of Z?
- A. 20% B. 17.5%
- C. 13% D. 9.5%
- 30) In a class. 15% of total number of students failed in Science. 25% of total number of students failed in Maths and 10% of total number of students failed in both. How much percentage of students passed in both Maths and Science?
- A. 70% B. 80%
- C. 60% D. 90%
- 31) Rs. 20400 was divided in two parts and then invested. One part invested at 6.25% for 8 years yields the same interest as the other part invested at 7% for 5 years. What is the value of smaller part?
- A. 9600
- B. 8400
- C. 10100
- D. 6500

- 32) The population of a city is 50,000 at present. It increases at the rate of 10% per annum. What will be its population 3 yr from now?
- A. 67,250
  - B. 65,550
  - C. 60,500
  - D. 66,550
- 33) 12 years ago, age of P was 3 times the age of Q. After 12 years, ratio of ages of Q to P will be 2:3. What is the present age of P?
- A. 54 years
  - B. 36 years
  - C. 24 years
  - D. 144 years
- 34) Average age of a family of 4 members was 19 years. 4 years back, Birth of a new child kept the average age of the family same even today. How old is the child today?
- A. 4 years
  - B. 1 year
  - C. 2 years
  - D. 3 years

- 35) What will be difference in population 3 years ago and 2 years ago of Devon village. whose current population is 100000 and which is increasing at a rate of 25% every year?
- A. 15250  
B. 13900  
C. 16400  
D. 12800
- 36) Find the simple interest on Rs. 5000 at 6% per annum for the period from 5th Feb to 19th April, 2015.
- A. Rs. 40  
B. Rs. 50  
C. Rs. 60  
D. Rs. 70
- 37) Suresh borrows Rs. 10,000 for 2 years at 4% p.a. simple interest. He lends it to Ramesh at 6% p.a. for 2 years. Find his gain in this transaction per year.
- A. Rs. 150  
B. Rs. 200  
C. Rs. 400.  
D. Rs. 450
- 38) At what rate percent per annum will sum of money double in 20 years?
- A. 1.2%  
B. 2%  
C. 4%  
D. 5%

- 39) If two different amounts in the ratio 8:9 are invested in Companies P and Q respectively in 2002, then the amounts received after one year as interests from Companies P and Q are respectively in the ratio?
- A. 2:3                                      B. 3:4
- C. 6:7                                      D. 4:3
- 40) Light : Sun :: Heat : ?
- A. Electricity
- B. Moon
- C. Fire
- D. Star
- 41) Handsome : Beautiful :: Husband : ?
- A. Women                                  B. Wife
- C. Girl                                        D. She
- 42) Monday: April:: Friday:?
- A. July                                        B. Saturday
- C. August                                    D. Tuesday
- 43) Parrot : Cage :: Man : ?
- A. Home                                      B. Motor Car
- C. Prison                                     D. Forest



- 48) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



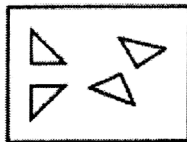
(X)



(1) (2) (3) (4)

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

- 49) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



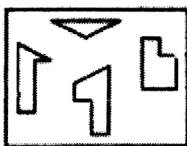
(X)



(1) (2) (3) (4)

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

- 50) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



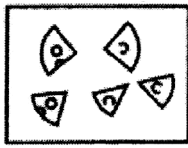
(X)



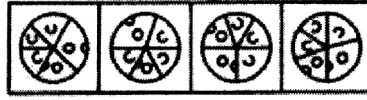
(1) (2) (3) (4)

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

- 51) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



(X)



(1) (2) (3) (4)

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

- 52) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



(X)



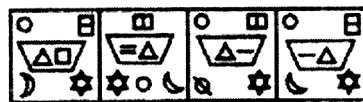
(1) (2) (3) (4)

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

- 53) Select the alternative in which the specified components of the key figure (X) are found.



(X)



(1) (2) (3) (4)

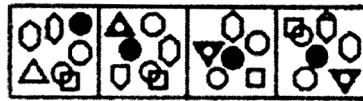
- A. 1  
B. 2  
C. 3  
D. 4



- 54) Select the alternative in which the specified components of the key figure (X) are found.



(X)



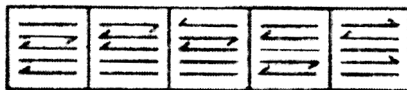
(1) (2) (3) (4)

- A. 1  
B. 2  
C. 3  
D. 4
- 55) Choose the figure which is different from the rest.



(1) (2) (3) (4) (5)

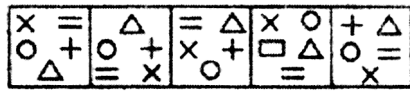
- A. 1  
B. 2  
C. 3  
D. 4
- 56) Choose the figure which is different from the rest.



(1) (2) (3) (4) (5)

- A. 5  
B. 3  
C. 2  
D. 1

57) Choose the figure which is different from the rest.



(1) (2) (3) (4) (5)

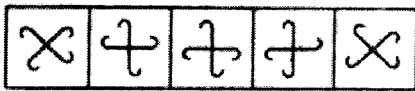
A. 2

B. 4

C. 3

D. 1

58) Choose the figure which is different from the rest.



(1) (2) (3) (4) (5)

A. 5

B. 4

C. 3

D. 2

59) Choose the figure which is different from the rest.



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

60) PORK : PIG

A. rooster : chicken

B. mutton : sheep

C. steer : beef

D. lobster : crustacean

61) AFTER : BEFORE

- A. first : second
- B. present : past
- C. contemporary : historic
- D. successor : predecessor

62) DISTANCE : MILE

- A. liquid : litre
- B. bushel : corn
- C. weight : scale
- D. fame : television

63) TEN : DECIMAL

- A. seven : septet
- B. four : quartet
- C. two : binary
- D. five : quince

64) GRAVITY : PULL

- A. iron : metal
- B. north pole : directions
- C. magnetism : attraction
- D. dust : desert

65) FILTER : WATER

A. curtail : activity

B. expunge : book

C. edit : text

D. censor : play

**Direction for Question No 66 to 70**

The following table gives the sales of batteries manufactured by a company over the years.

Number of Different Types of Batteries Sold by a Company Over the Years (Numbers in Thousands)						
Year	Types of Batteries					Total
	4AH	7AH	32AH	35AH	55AH	
1992	75	144	114	102	108	543
1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

66) What was the approximate percentage increase in the sales of 55AH batteries in 1998 compared to that in 1992?

A. 28%

B. 31%

C. 33%

D. 34%

67) The total sales of all the seven years is the maximum for which battery?

A. 4AH

B. 7AH

C. 32AH

D. 35AH

- 68) What is the difference in the number of 35AH batteries sold in 1993 and 1997?
- A. 24000
  - B. 28000
  - C. 35000
  - D. 39000
- 69) The percentage of 4AH batteries sold to the total number of batteries sold was maximum in the year?
- A. 1994
  - B. 1995
  - C. 1996
  - D. 1997
- 70) In case of which battery there was a continuous decrease in sales from 1992 to 1997 ?
- A. 4AH
  - B. 7AH
  - C. 32AH
  - D. 35AH

- 71) You are a department manager and you have recently thought of a new procedure that you believe would improve the work process. Some of the employees in your department agree with the change and some do not. One of your employees openly criticises the idea to your director. What would you do and why? Choose ONE option.
- A. You decide not to respond to the critics in order to avoid unnecessary conflict.
  - B. You reprimand the employee for going over your head to the director and work to promote your idea with even more enthusiasm.
  - C. You meet the employee for a talk and explain that bypassing your authority is unacceptable.
  - D. Employees' trust in their manager is important so you decide to implement only some of the changes to keep my employees satisfied.
- 72) At a marketing meeting with your supervisor and the senior marketing manager you find yourself in the midst of a conflict between them. You know that the two do not get along professionally and that they are in constant disagreement. They are now arguing about strategies for a new campaign, and are asking you to pick a side. What would you do and why? Choose ONE option..
- A. You accept the idea of the senior marketing manager. Since she is more senior she has more influence on your status in the company and therefore it is politically wiser to support her.
  - B. You accept the idea of your supervisor. Since he is directly above you, he has more influence on your daily routine in the company and therefore it is politically wiser to support him.

- C. You weigh up the advantages and disadvantages of each side and decide accordingly without getting involved in their personal conflict.
- D. You believe that getting involved in this dispute would be detrimental to you as both sides are superior to you. Therefore, you refuse to pick a side saying that both strategies are equally successful.

73) You have been working as a salesperson for the past year and have consistently achieved great sales numbers. Due to personal reasons, you have recently been unfocused at work and as a result your work performance has declined. Additionally, due to changes in the market, the sales figures of your team have decreased as well. Your director does not seem to be taking the changes in the market into account and is blaming your poor performance on poor leadership on your part. What would you do and why? Choose the BEST option.

- A. You explain your personal situation to the director and apologize for the decline in the performance of my team. You ask to take a few days off to recuperate.
- B. You make a decision to put aside your personal situation and consult other sales directors regarding their ways of coping with a volatile market. You devote yourself entirely to your work.
- C. You update the director on the changes in the market and explain that there is nothing that can be done at the moment to improve sales.
- D. You scold your team members for their poor performance and set new, more attainable sales targets in line with the changes in the market.

- 74) You've been working in the same place for the past three years and have managed to work your way up. Lately, you have been feeling that you have reached your potential in the company so you start pursuing options for advancing your career in other companies. You are now in the midst of negotiations for a new position.

Rumours that you are leaving have spread in your current work place. What would you do and why? Choose ONE option.

- A. Since the rumour is already out, you update all your acquaintances in the organisation that you are in the midst of negotiations for a new position. This may even encourage your directors to promote you within the company.
- B. Since it is only a rumour, you don't update anyone until you actually hand in your notice. Nothing has been decided yet.
- C. Since the rumour is already out and you will probably leave, you invest a little less in your work and a bit more in attaining the new position.
- D. Because the rumour is out you update your manager and only him about your intention of leaving. Since you are still an employee there, you keep working normally.



- 75) In the following question a statement is given, followed by two conclusions.  
Give answer:

Statements: Quality has a price tag. India is allocating lots of funds to education.

Conclusions:

- I. Quality of education in India would improve soon.
- II. Funding alone can enhance quality of education.

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Either I or II follows.
- D. Neither I nor II follows

- 76) In the following question a statement is given. followed by two conclusions.  
Give answer:

Statements: The standard of education in private schools is much better than Municipal and Zila Parishad-run schools.

Conclusions:

- I. The Municipal and ZilaPariskad should make serious efforts to improve standard of their schools.
- II. All Municipal and Zila Parishad schools should be closed immediately.

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Either I or II follows.
- D. Neither I nor II follows

- 77) In the following question a statement is given, followed by two conclusions. Give answer:

Statements: Domestic demand has been increasing faster than the production of indigenous crude oil. Conclusions:

- I. Crude oil must be imported.
- II. Domestic demand should be reduced.

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Either I or II follows
- D. Neither I nor II follows

- 78) In the following question a statement is given, followed by two conclusions. Give answer:

Statements: Fashion is a form of ugliness so intolerable that we have to alter it. every six months.

Conclusions:

- I. Fashion designers do not understand the public mind very well.
- II. The public by and large is highly susceptible to novelty.

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Either I or II follows
- D. Neither I nor II follows

- 79) In the following question a statement is given, followed by two conclusions. Give answer:

Statements: Until our country achieves economic equality, political freedom and democracy would be meaningless.

Conclusions:

- I. Political freedom and democracy go hand in hand.
  - II. Economic equality leads to real political freedom and democracy.
- A. Only conclusion I follows
  - B. Only conclusion II follows
  - C. Either I or II follows
  - D. Neither I nor II follows

- 80) Question has a set of four sequentially ordered statements. Each statement can be classified as one of the following: Facts (F), which deal with the pieces of information that one has heard, seen or read, and which are open to discovery or verification. Inferences (I), which are conclusions drawn about unknown, on the basis of the known. Judgments (J), which are opinions that imply approval or disapproval of persons, objects, situations and occurrences in the past, the present or the future. Select the answer option that best describes the set of four statements:

(A) Given the poor quality of service in the public sector, the Human Immunodeficiency Virus affected should be switching to private initiatives that supply anti-retroviral drugs (ARVs) at a low cost. (B) Since 2004, the government has been supplying free drugs, and many have benefited as per the reports. (C) Initiatives like AIDS Care Network, would lead to

availability of such rare and needed drugs. (D) But how ironic it is that we should face a perennial shortage of drugs when India is one of the world's largest suppliers of generic drugs to the developing world.

A. JFIJ

B. JIIJ

C. IFIJ

D. IFFJ

81) HOPE : ASPIRES

A. love : elevates

B. film : flam

C. fib : lie

D. fake : ordinary

82) WAN : COLOUR

A. corpulent : weight

B. insipid : flavour

C. pallid : complexion

D. enigmatic : puzzle

83) An aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in  $1\frac{2}{3}$  hours, it must travel at a speed of?

A. 300 kmph

B. 360 kmph

C. 600 kmph

D. 720 kmph

- 84) A man buys an article for Rs. 27.50 and sells it for Rs 28.60. Find his gain percent.
- A. 1% B. 2%
- C. 3% D. 4%
- 85) The mean weight of a group of seven boys is 56 kg. The individual weights (in kg) of six of them are 52, 57, 55, 60, 59 and 55. Find the weight of the seventh boy.
- A. 64 B. 54
- C. 88 D. 28
- 86) What will be the cost of gardening 1-meter boundary around a rectangular plot having a perimeter of 340 meters at the rate of Rs. 10 per square meter?
- A. Rs. 3430
- B. Rs. 3440
- C. Rs. 3450
- D. Rs. 3460
- 87) Choose the word which is different from the rest.
- A. Eagle
- B. Emu
- C. Ostrich
- D. Penguin

88) Choose the word which is different from the rest.

- A. Rigveda
- B. Yajurveda
- C. Atharvaveda
- D. Ayurveda

89) Choose the word which is different from the rest

- A. Sparrow
- B. Swan
- C. Parrot
- D. Koel

90) Choose the word which is different from the rest.

- A. Spectacles
- B. Goggles
- C. Binoculars
- D. Microphone

91) Choose the word which is different from the rest.

- A. House
- B. Cottage
- C. School
- D. Palace

**Direction for Question No 92 to Question No 96.**

In the following question, various terms of an alphabet series are given with one or more missing terms as shown by (?). Choose the missing term out of the given alternatives,

92) IJK, NOP, STU, ?

A. ZYX

B. XYZ

C. WXY

D. YZA

93) H, I, K, N, R, ?

A. Z

B. X

C. T

D. W

94) Z, U, Q, ?, L

A. I

B. K

C. M

D. N

95) ATTRIBUTION, TTRIBUTIO, RIBUTIO, IBUTI, ?

A. IBU

B. UT

C. UTI

D. BUT

96) AI, BJ, CK, ?

A. DL

B. DM

C. GH

D. d) LM

97) Choose the word which is different from the rest.

- |               |               |
|---------------|---------------|
| A. Spectacles | B. Goggles    |
| C. Binoculars | D. Microphone |

98) Choose the word which is different from the rest.

- |           |            |
|-----------|------------|
| A. House  | B. Cottage |
| C. School | D. Palace  |

99) Choose the word which is different from the rest.

- |            |         |
|------------|---------|
| A. Sparrow | B. Swan |
| C. Parrot  | D. Koel |

100) Statement 1 : A is bigger than B but shorter than C

Statement 2 : D is smaller than C and bigger than A

Statement 3 : B is greater than D

If statement 1 and statement 2 are true, statement 3 will be-

- A. true
- B. false
- C. uncertain
- D. None of the above

◆◆◆



**ROUGH WORK**

