

# IBPS RRB Officer Scale-I Prelim Solved Paper-2020

Based on Memory

## REASONING ABILITY

1. If 2 is subtracted from each even digit and 1 is added to each odd digit in the given number '4325871', then how many digits will appear more than one in the new number thus formed?
- (a) None (b) One  
(c) Two (d) Three  
(e) None of these

**DIRECTIONS (Qs. 2-6) :** Study the following information carefully and answer the questions given below :

Eight men live in a building on four floors such that ground floor is numbered 1 and floor above it is 2 and so on up to 4th floor. Each of the floor consist of 2 flats as flat *M*, which is in west of flat *N*. Flat *M* on floor-2 is immediately above flat *M* of floor 1 and immediately below flat *M* of floor 3 and in the same way flat *N* of each floor follow the same pattern.

*D* lives on an even numbered floor. *D* lives just above the flat of *C*. *E* lives to the west of *C*. One floor gap between *F* and *H*. *B* lives in the east of *F*. *A* lives on the 3rd floor. Both *G* and *H* live in the different flats.

2. What is the direction of *A* with respect to *C*?
- (a) South (b) North-east  
(c) North (d) East  
(e) North-west
3. Which of the following floor does *H* lives?
- (a) Floor 1 (b) Floor 4  
(c) Floor 3 (d) Floor 2  
(e) None of these
4. Who among the following lives just below the flat in which *A* lives?
- (a) *E* (b) *H*  
(c) *D* (d) Both (b) and (c)  
(e) None of these
5. Which of the following is true regarding *B*?
- (a) Floor 4 - Flat *M* (b) Floor 3 - Flat *N*  
(c) Floor 2 - Flat *M* (d) Floor 4 - Flat *N*  
(e) Floor 1 - Flat *N*
6. How many floors gap between *E* and *B*?
- (a) None (b) Two  
(c) One (d) Either (a) or (c)  
(e) Either (b) or (c)

**DIRECTIONS (Qs. 7-11) :** Study the following information carefully and answer the questions given below :

In a certain code language  
'plan to go gym' is coded as 'rt kr tz dg'

- 'gym today easy' is coded as 'cq rt ly'  
'plan your gym today' is coded as 'no rt cq tz'  
'make your plan today' is coded as 'no cq tz mp'
7. What is the code of 'go' as per the given code language?  
(a) dg (b) cq (c) kr (d) 'dg' or 'kr'  
(e) None of these
8. If 'easy to plan' is coded as 'tz ly dg' then what is the code of 'go' as per the given code language?  
(a) dg (b) go (c) kr (d) tz  
(e) None of these
9. What is the code of 'make' as per the given code language?  
(a) go (b) tz (c) mp (d) dg  
(e) None of these
10. What is the code of 'gym today' as per the given code language?  
(a) cq rt (b) tz kr (c) ly cq (d) go rt  
(e) None of these
11. What is the code of 'gym' as per the given code language?  
(a) mp (b) dg (c) kr (d) rt  
(e) None of these
12. How many pairs of letters are there in the word 'CONTENT' each of word have as many letters between them in the word as they have between them in the English alphabetical series?  
(a) Three (b) Four (c) Two (d) One  
(e) None of these

**DIRECTIONS (Qs. 13-15) :** Study the following information carefully and answer the questions given below :

Point *P* is 34 m west of point *S*. Point *M* is 68 m north of point *P*. Point *N* is 51 m east of point *M* and point *Q* is 17 m south of point *M*. Point *R* is 51 m north of point *S*.

13. If point *T* is 17 m north of point *R*, then what is the distance between point *N* and point *T*?
- (a) 17m (b) 34m (c) 51m (d) 32m  
(e) None of these
14. In which direction point *P* with respect to point *N*?
- (a) South (b) South-east  
(c) North-east (d) East  
(e) None of these
15. What is the shortest distance between point *Q* and point *R*?
- (a) 17 (b) 34 (c) 51 (d) 32  
(e) None of these

**DIRECTIONS (Qs. 16-20) :** Study the following information carefully and answer the questions given below :

Seven persons *M*, *N*, *O*, *P*, *Q*, *R* and *S* are sitting in a row facing to the north. They all have of different ages. *M* sits 3rd from one of the extreme ends of the row. *S* sits 2nd to the right of *M*. The

number of persons sit to the left of  $S$  is same as the number of persons sit to the right of  $N$ , who is 25 years old.  $O$  sits 4th to the left of the one who is 40 years old.  $S$  is not 40 years old. Total age of immediate neighbours of  $M$  is 85 years.  $Q$  is 35 years old.  $O$  is 20 year older than one of his immediate neighbours.  $R$  sits to the right of  $P$ , who sits immediate to the left of the one who is 30 years old.  $S$  is 5 year younger than  $O$ .

16. Which of the following statement is true?  
 (a)  $Q$  sits to the right of  $P$   
 (b)  $M$  sits 3rd to the right of  $N$   
 (c)  $O$  sits at one of the extreme ends  
 (d) None is true  
 (e)  $S$  sits immediate right of the one who is 40 years old
17. Who among the following is 45 years old?  
 (a)  $P$  (b)  $O$  (c)  $M$  (d)  $R$   
 (e) None of these
18. The number of persons sit between  $P$  and  $S$  is same as the number of persons sit between  $O$  and \_\_\_\_?  
 (a)  $M$  (b)  $N$  (c)  $R$  (d)  $S$   
 (e) None of these
19. What is the position of  $Q$  with respect to  $S$ ?  
 (a) 2nd to the left (b) Immediate left  
 (c) Immediate right (d) 4th to the left  
 (e) 3rd to the right
20. Four of the following five are alike in a certain way and so form a group. Find the one who does not belong to that group?  
 (a)  $O$  (b)  $N$  (c)  $Q$  (d)  $P$   
 (e)  $R$
21. Study the following information carefully and answer the given questions.  
 Six girls i.e.  $A, B, C, D, E$  and  $F$  was born on different days of the same week starting from Monday to Saturday, but not necessarily in the same order.  $A$  was born on Friday. Two girls were born between  $F$  and  $A$ . One girl was born between  $C$  and  $D$ . If  $E$  was born immediate before  $D$ , then who among the following girl was born on Wednesday?  
 (a)  $F$  (b)  $C$  (c)  $D$  (d)  $E$   
 (e) None of these

**DIRECTIONS (Qs. 22-26) :** Study the following information carefully and answer the questions given below :

Ten boxes are placed one above the other. Four boxes are placed between  $V$  and  $L$ . Two boxes are placed between  $V$  and  $X$ , which placed above the  $V$ .  $T$  is placed just below  $X$ . The number of boxes between  $T$  and  $L$  is same number of boxes between  $L$  and  $S$ .  $P$  is placed just below  $M$ .  $R$  is placed just above  $S$ .  $K$  is adjacent to  $L$ .  $Q$  is placed below  $K$ .

22. Four of the following five are alike in a certain way and so form a group. Find the one who does not belong to that group?  
 (a)  $P-S$  (b)  $K-T$  (c)  $X-Q$  (d)  $M-S$   
 (e)  $L-M$
23. What is the position of  $R$  from the bottommost?  
 (a) Seven (b) Tenth (c) Six (d) Five  
 (e) Three
24. How many boxes are placed between  $S$  and  $T$ ?  
 (a) One (b) More than Five  
 (c) Four (d) Five  
 (e) Two

25. If  $P$  and  $S$  interchange their positions then which among the following box is placed just below  $S$ ?  
 (a)  $R$  (b)  $K$  (c)  $X$  (d)  $M$   
 (e) None of these
26. Which of the following statement is true?  
 (a)  $T$  is 3rd from the topmost position  
 (b) Two boxes placed between  $X$  and  $L$   
 (c)  $M$  is below  $Q$   
 (d)  $P$  is placed at bottommost position  
 (e) Three boxes placed between  $R$  and  $L$

**DIRECTIONS (Qs. 27-31) :** Study the following information carefully and answer the questions given below :

A certain number of persons sit in a row facing to the north direction.  $R$  sits 3rd to the left of  $S$ . Five persons sit between  $S$  and  $T$ .  $B$  sits immediate to the right of  $S$ . Three persons sit between  $C$  and  $B$ .  $C$  does not sit next to  $T$ .  $T$  is 7th from one of the ends. The number of persons sit to the right of  $C$  is four more than the persons who sit to the left of  $T$ .  $D$  sits 2nd from one of the ends and sit to the right of  $S$ .

27. How many persons sit between  $R$  and  $B$ ?  
 (a) Five (b) None of these  
 (c) Seven (d) Four  
 (e) Three
28. What is the position of  $R$  with respect to  $C$ ?  
 (a) 8th to the right (b) 8th to the left  
 (c) 6th to the right (d) 5th to the left  
 (e) None of these
29. How many persons sit in the above arrangement?  
 (a) 25 (b) 26 (c) 28 (d) 24  
 (e) None of these
30. If two persons sit between  $Z$  and  $T$ , then what is the position of  $Z$  with respect to  $R$ ?  
 (a) 4th to the left (b) 6th to the left  
 (c) 5th to the right (d) 3rd to the left  
 (e) 7th to the left
31. How many persons sit to the right of the one, who sits immediate left of  $B$ ?  
 (a) Ten (b) Seven  
 (c) None of these (d) Eight  
 (e) Eleven

**DIRECTIONS (Qs. 32-35) :** In these questions, relationships between different elements are shown in the statements. These statements are followed by two conclusions. Give answer

- (a) If only conclusion I follows  
 (b) If only conclusion II follows  
 (c) If either conclusion I or II follows  
 (d) If neither conclusion I nor II follows  
 (e) If both conclusions I and II follow
32. **Statements :**  $J \leq V < R > M, L > M = I \geq H$   
**Conclusions :** I.  $H \leq M$  II.  $V \geq H$
33. **Statements :**  $I = H \geq B \geq N < D > L$   
**Conclusions :** I.  $L > H$  II.  $B < N$
34. **Statements :**  $Z > O = G < I \leq S > P$   
**Conclusions :** I.  $P > G$  II.  $S > O$

35. **Statements :**  $K \geq M > W \geq T \leq Y < Q$   
**Conclusions :** I.  $T < K$       II.  $T < Q$

**DIRECTIONS (Qs. 36-40) :** Study the following information carefully and answer the questions given below :

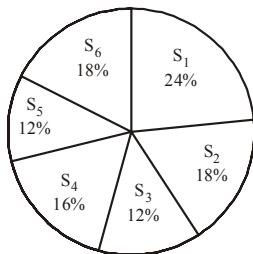
Nine persons sit around a circular table. Some of them are facing to the centre while some are facing outside the centre. *M* sits 2nd to the right of *A*, who faces inside. Two persons sit between *M* and *P*. *J* sits 3rd to the left of *P*. *L* sits 2nd to the left of *J*, who does not sit next to *M*. *B* sits 3rd to the right of *L* and is an immediate neighbour of *D*. *N* sits 4th to the right of *H*, who does not sit near *J*. Both *B* and *D* face same direction as *A*. *M* and *P* face opposite direction to each other. *N* does not face outside.

36. How many persons face outside from the centre?  
 (a) Three                                      (b) Four  
 (c) None of these                          (d) Six  
 (e) Five
37. How many persons sit between *P* and *H*, when counted from left of *P*?  
 (a) Three    (b) Five    (c) Two    (d) Four  
 (e) None of these
38. What is the position of *D* with respect to *N*?  
 (a) 3rd to the right                          (b) 2nd to the left  
 (c) Immediate left                          (d) 3rd to the left  
 (e) 5th to the right
39. How many persons sit between *J* and *H*, when counted from the left of *H*?  
 (a) Five    (b) Six    (c) Four    (d) One  
 (e) Three
40. Four of the following five are alike in a certain way and so form a group. Find the one who does not belong to that group?  
 (a) *M-H*    (b) *L-M*    (c) *B-N*    (d) *H-D*  
 (e) *B-D*

**QUANTITATIVE APTITUDE**

**DIRECTIONS (Qs. 41-46) :** Pie chart shows the percentage distribution of total girls appeared in six different shifts (*S*<sub>1</sub> to *S*<sub>6</sub>) of an exam. Study the pie chart given below and answer the following questions.

Total girls appeared in exam - 2500



41. Find average number of girls appeared in shift *S*<sub>1</sub>, *S*<sub>2</sub> and *S*<sub>5</sub> of the exam  
 (a) 625    (b) 450    (c) 400    (d) 600  
 (e) 720
42. Find the central angle for girls appeared in shift *S*<sub>2</sub> of the examination  
 (a) 64.2°    (b) 58°    (c) 64.8°    (d) 43.6°  
 (e) 52.8°

43. Find total number of girls appeared in shift *S*<sub>5</sub> and *S*<sub>6</sub> together of the examination  
 (a) 720    (b) 675    (c) 724    (d) 945  
 (e) 750
44. Girls appeared in shift *S*<sub>3</sub> and *S*<sub>4</sub> together of the examination are what percent more or less than students appeared in shift *S*<sub>1</sub> of the examination?  
 (a) 45%    (b) 16.67%    (c) 70%    (d) 50%  
 (e) None of these
45. Find ratio of girls appeared in shift *S*<sub>4</sub> and *S*<sub>6</sub> together of the examination to girls appeared in shift *S*<sub>2</sub> and *S*<sub>3</sub> together of the examination.  
 (a) 3 : 4    (b) 1 : 2    (c) 4 : 3    (d) 1 : 1  
 (e) None of these
46. Girls appeared in shift *S*<sub>1</sub> and *S*<sub>6</sub> together of the examination are how much more or less than girls appeared in shift *S*<sub>3</sub> and *S*<sub>4</sub> together of the examination?  
 (a) 350    (b) 150    (c) 270    (d) 280  
 (e) 250
47. A vessel contains mixture of milk and water in the ratio of 5 : 1 respectively. 30 litres mixture is removed from the vessel and if the quantity of remaining milk in the vessel is 55 liters, then find quantity of water in the vessel initially.  
 (a) 16 litres                                      (b) 15 litres  
 (c) 12 litres                                      (d) 9 litres  
 (e) 3 litres
48. Rohan and Vimal together can complete a piece of work in 9 days. Time taken by Rohan alone to complete the same work is 7.5 days less than time taken by Vimal alone to complete the same work. In how many days Vimal alone will complete  $\frac{8}{9}$  of the work?  
 (a) 8 days    (b) 10 days    (c) 7 days    (d) 20 days  
 (e) 15 days
49. Ratio of ages of Husband and Wife, 5 years later is 7 : 8 respectively. If average of present ages of Husband and Wife is  $47\frac{1}{2}$  years, then find difference in present ages of Husband and Wife.  
 (a) 5 years    (b) 7 years    (c) 3 years    (d) 9 years  
 (e) 4 years
50. There are 60% boys out of total students (boys + girls) in a school and 42% of the total students of the school went on a picnic. If 35% of the total boys went to picnic, then find what percent of total girls went on picnic?  
 (a)  $52\frac{1}{2}\%$     (b) 90%    (c) 75%    (d)  $75\frac{1}{2}\%$   
 (e) None of these
51. Number of passed students in an exam in section *A* and *B* are 225 and 280 respectively. If in section *A* 25% of the total students got failed and in section *B* 30% of the total students got failed, then find the ratio of total number of students in Section *A* to Section *B*.  
 (a) 2 : 5    (b) 2 : 1    (c) 4 : 3    (d) 1 : 2  
 (e) 3 : 4

**DIRECTIONS (Qs. 52-56) :** In the given questions, two equations (I) and (II) are given. You have to solve both the equations and mark the answer accordingly. Answer the questions -

- (a)  $p < q$  (b)  $p > q$  (c)  $p \leq q$  (d)  $p \geq q$   
 (e)  $p = q$  or no relation
52. I.  $p^2 + 9p + 20 = 0$  II.  $8q^2 - 15q + 7 = 0$   
 53. I.  $p^2 - 11p + 30 = 0$  II.  $q^2 + 12q + 36 = 0$   
 54. I.  $p^2 + 13p + 40 = 0$  II.  $q^2 + 7q + 10 = 0$   
 55. I.  $p^2 - 20p + 91 = 0$  II.  $q^2 + 16q + 63 = 0$   
 56. I.  $p^2 - p - 12 = 0$  II.  $q^2 + 5q + 6 = 0$

**DIRECTIONS (Qs. 57-62) :** Study the table given below and answer the following questions :

Table gives information about total number of workers in 3 different Firms in 2017 and 2018 and also gives information about total number of Females in these 3 Firms in 2017 and 2018.

Firms	Year			
	2017		2018	
	Total Workers	Total Females	Total Workers	Total Females
A	360	180	450	225
B	180	90	300	90
C	225	135	200	60

Total workers in any firm in any year = Total (Males + Females) in that Firm in that year.

57. If average number of workers in Firm A in 2017, 2018 and 2019 are 350, then find total number of workers in Firm A in 2019  
 (a) 270 (b) 280 (c) 310 (d) 240  
 (e) 260
58. Number of females in firm - A and B together in 2018 are what percent more or less than total number of workers in firm - B and C together in 2018?  
 (a) 27% (b) 42% (c) 37% (d) 30%  
 (e) None of these
59. Find total number of males in Firm - A, B and C together in 2017  
 (a) 425 (b) 640 (c) 340 (d) 385  
 (e) 360
60. Average number of workers in Firm - A, B and C in 2017 are what percent of total workers in Firm - B in 2018?  
 (a) 95% (b) 85% (c) 75% (d) 55%  
 (e) None of these
61. Find ratio of number of Males in Firm - B in 2018 to number of Males in Firm - C in 2018  
 (a) 5 : 4 (b) 4 : 5 (c) 2 : 3 (d) 3 : 2  
 (e) 2 : 5
62. Total number of Females in Firm - A, B and C together in 2017 are how much more or less than total number of Females in Firm - A, B and C together in 2018?  
 (a) 75 (b) 30 (c) 180 (d) 45  
 (e) 50

**DIRECTIONS (Qs. 63-67) :** In the following questions, calculate quantity I and quantity II, compare them and answer according to the following options.

- (a) If Quantity I > Quantity II  
 (b) If Quantity I < Quantity II  
 (c) If Quantity I  $\geq$  Quantity II  
 (d) If Quantity I  $\leq$  Quantity II  
 (e) If Quantity I = Quantity II or no relation can be established
63. **Quantity I :** Profit earned on selling an article at Rs. 350 at 25% profit.  
**Quantity II :** Cost price of the article which is sold at Rs. 95 on 25% profit.
64. In a village there are 50% males and rest are females. 40% of total male are illiterate and 20% of total female are illiterate. Number of illiterate males is 1379.  
**Quantity I :** Literate females in the village.  
**Quantity II :** 2758.
65. A man invested Rs. P at 13% p.a. on simple interest for three years.  
**Quantity I :** If at the end of 3rd year he gets Rs. 1560 as interest, then find Rs. P.  
**Quantity II :** Rs. 4050.
66. Ploughing cost of a rectangular field is Rs. 117 at the rate of Rs. 2.6 per square meter. Length of the field is 4 meters more than the width of field.  
**Quantity I :** Length of rectangular field.  
**Quantity II :** 9 meters.
67. **Quantity I :** Sum of present ages of Sohail and Lalit is 39 years and Sohail is 7 years older than Lalit. Find present age of Lalit.  
**Quantity II :** 12 years.
68. 'A' invested Rs. 2000 and 'B' invested Rs. 500 more than A. After 6 months 'C' invested Rs. 1500. If at the end of the year 'C' gets profit of Rs. 350, then find the total profit.  
 (a) Rs. 7000 (b) Rs. 8300  
 (c) Rs. 5600 (d) Rs. 7350  
 (e) None of these
69. 220 meters long train passes a platform in 60 seconds. If speed of train is increased by 6 m/sec, then it crosses a pole in 11 seconds. Find the length of platform.  
 (a) 720m (b) 710m (c) 700m (d) 620m  
 (e) 900m
70. Selling price of a Shirt becomes Rs. 1080 after giving two successive discounts of  $x\%$  and 20% and marked price of Shirt is Rs. 1800. Find the cost price of Shirt if there is a profit of  $x\%$  on selling the Shirt after giving two successive discounts.  
 (a) Rs. 1720 (b) Rs. 750 (c) Rs. 800 (d) Rs. 864  
 (e) Rs. 924
71. There are 5 Black Pens, 7 Red Pens and 3 Yellow Pens in a bag. If 2 Pens are chosen randomly from the bag, then find the probability that at least one Pen is Black Pen.  
 (a)  $\frac{1}{7}$  (b)  $\frac{2}{7}$  (c)  $\frac{3}{7}$  (d)  $\frac{3}{5}$   
 (e)  $\frac{4}{7}$

72. Speed of boat in still water is five times of speed of stream. If boat covers 200 km in upstream in 5 hours, then find the downstream speed of boat?  
 (a) 60 km/hr. (b) 36 km/hr.  
 (c) 30 km/hr. (d) 64 km/hr.  
 (e) 48 km/hr.
73. Length of rectangle 'R' is 140% of its breadth and area of rectangle 'R' is 1715 cm<sup>2</sup>. If width of rectangle 'R' is half of the side of a square, then find perimeter of square  
 (a) 72m (b) 56m (c) 84m (d) 76m  
 (e) 60m
74. The average weight of a class of 35 girls is 43 kg. It was later found that weight of two girls was read as 39 kg and 47 kg instead of 35 kg and 42 kg. Find the actual average weight of the class  
 (a) 54 kg (b) 41 kg (c) 50.6 kg (d) 42.74 kg  
 (e) 51.5 kg
75. 2.5, 2.5, 7.5, 37.5, 262.5, ?  
 (a) 2105.5 (b) 2263.5  
 (c) 2300.5 (d) 2472.5  
 (e) 2362.5
76. 60, 68, 55, 73, 50, ?  
 (a) 50 (b) 78 (c) 68 (d) 75  
 (e) None of these
77. 176, ?, 56, 36, 26, 21  
 (a) 92 (b) 87 (c) 78 (d) 96  
 (e) 97
78. 140, 142, 147, 157, 174, ?  
 (a) 215 (b) 245 (c) 185 (d) 200  
 (e) 206
79. 2.5, 1.5, 1, 0, -4, ?  
 (a) -7.5 (b) 7.5 (c) -25 (d) -15  
 (e) 25
80. 12600, ?, 1050, 210, 35, 5  
 (a) 1200 (b) 4200 (c) 2100 (d) 2600  
 (e) 1800

**DIRECTIONS (Qs. 75-80) :** Find the value of (?) in the following number series.

## HINTS & SOLUTIONS

1. (c) 4325871  
 2406682

**Sol. (2-6):**

Floors	Flat M	Flat N
4	F	B
3	A	G
2	H	D
1	E	C

2. (e) 3. (d) 4. (b) 5. (d) 6. (b)

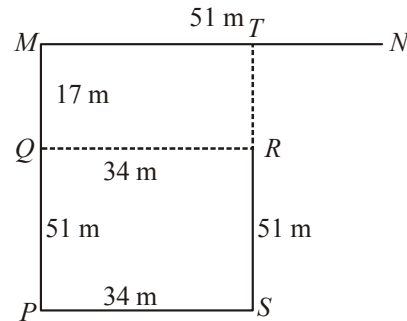
**Sol. (7-11):**

Plan to go gym - rt kr tz dg  
 gym today easy - cq rt ly  
 Plan your gym today - go rt cq tz  
 make your plan today - go cq tz mp

7. (d) 8. (c) 9. (c) 10. (a) 11. (d)

12. (c) C O N T E N T

**Sol. (13-15):**



13. (a) Distance between N and T = 51 - 34 = 17 m  
 14. (e) Point P is in south-west direction.  
 15. (b)

**Sol. (16-20):**

N	O	Q	P	M	R	S
25	55	35	45	30	40	50

16. (e) 17. (a) 18. (a) 19. (d)  
 20. (e) Ages of all are odd, except 'R'

21. (d)

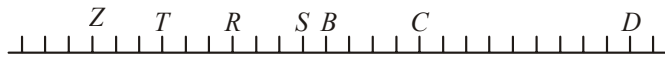
Days	Persons
Monday	B
Tuesday	F
Wednesday	E
Thursday	D
Friday	A
Saturday	C

Sol. (22-26):

Boxes
R
S
M
P
L
K
X
T
Q
V

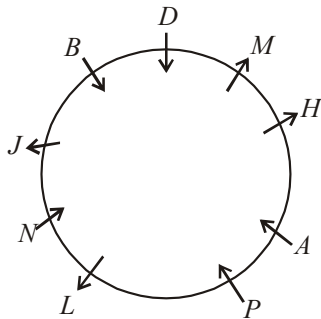
22. (d) There is no box between (M-S)  
 23. (b) 24. (d)  
 25. (e) L box is placed just below S.  
 26. (c)

Sol. (27-31):



27. (e) 28. (b) 29. (c) 30. (b)  
 31. (c) Fifteen persons sit to the right of S.  
 32. (a) I.  $H \leq M$  (True)      II.  $V \geq H$  (False)  
 33. (d) I.  $L > H$  (False)      II.  $B < N$  (False)  
 34. (b) I.  $P > G$  (False)      II.  $S > O$  (True)  
 35. (e) I.  $T < K$  (True)      II.  $T < Q$  (True)

Sol. (36-40):



36. (b) 37. (e) 38. (d)  
 39. (e) Three, M, D and B.  
 40. (d) H-D is in opposite direction.  
 41. (b) Required average  

$$= \frac{1}{3} \times \left( 2500 \times \frac{24+18+12}{100} \right) = \frac{1}{3} (25 \times 54) = 450.$$
  
 42. (c) Required angle  $= \frac{18}{100} \times 360 = 64.8^\circ.$   
 43. (e) Required number of girls  

$$= 2500 \times \frac{(12+18)}{100} = 25 \times 30 = 750.$$

44. (b) Girls appeared in shift  $S_3$  and  $S_4$  together of the examination  $= 12 + 16 = 28\%$   
 Girls appeared in shift  $S_1$  of the examination  $= 24\%$

$$\text{Required percentage} = \frac{28-24}{24} \times 100 = 16.67\% \text{ more}$$

45. (e) Girls appeared in shift  $S_4$  and  $S_6$  together of the examination  $= 16 + 18 = 34\%$   
 Girls appeared in shift  $S_2$  and  $S_3$  together of the examination  $= 18 + 12 = 30\%$

$$\text{Required ratio} = \frac{34}{30} = 17 : 15.$$

46. (a) Girls appeared in shift  $S_1$  and  $S_6$  together of the examination  $= 24 + 18 = 42\%$   
 Girls appeared in shift  $S_3$  and  $S_4$  together of the examination  $= 12 + 16 = 28\%$   
 Required difference  $= (42 - 28)\%$  of 2500  
 $= 14\%$  of 2500  $= 350.$

47. (a) Let quantity of milk and water in the vessel initially be  $5x$  litres and  $x$  litres respectively.  
 According to the question,

$$\left( 5x - 30 \times \frac{5x}{6x} \right) = 55 \Rightarrow 5x - 25 = 55 \Rightarrow x = 16.$$

48. (d) Let time taken by Vimal alone to complete the work be  $y$  days.  
 So, time taken by Rohan alone to complete the same work  $= (y - 7.5)$  days.

According to the question,

$$\frac{1}{y-7.5} + \frac{1}{y} = \frac{1}{9} \Rightarrow 9(y+y-7.5) = y(y-7.5)$$

$$\Rightarrow 18y - 67.5 = y^2 - 7.5y$$

$$\Rightarrow y^2 - 25.5y + 67.5 = 0 \Rightarrow y = 3, \frac{45}{2}$$

$y$  cannot be 3 as the time taken by Rohan alone cannot be negative.

$$\therefore \text{Required time} = \frac{1 \times \frac{8}{9}}{\frac{1}{45/2}} = \frac{8}{9} \times \frac{45}{2} = 20 \text{ days}$$

49. (b) Let ages of Husband and Wife, 5 years later be  $7x$  years and  $8x$  years respectively.  
 According to the question,

$$(7x-5) + (8x-5) = 47 \frac{1}{2} \times 2$$

$$\Rightarrow 15x = 95 + 10 \Rightarrow x = 7 \text{ years}$$

Required difference  $= 8x - 7x = 7$  years

50. (a) Let total students in the school be  $100x$ .  
 So, number of students went on the picnic  $= 42x$   
 And, number of boys went on the picnic  
 $= 60x \times \frac{35}{100} = 21x.$

So, number of girls went on the picnic  $= 42x - 21x = 21x.$

$$\text{Required percentage} = \frac{21x}{40x} \times 100 = 52 \frac{1}{2}\%$$

51. (e) Total number of students in section A

$$= \left( 225 \times \frac{100}{75} \right) = 300.$$

Total number of students in section B =  $\left( 280 \times \frac{100}{70} \right) = 400.$   
 Required ratio = 300 : 400 = 3 : 4.

52. (a) I.  $p^2 + 9p + 20 = 0$

$$\Rightarrow p^2 + 5p + 4p + 20 = 0 \Rightarrow p(p+5) + 4(p+5) = 0$$

$$\Rightarrow (p+5)(p+4) = 0 \quad \therefore p = -4, -5$$

II.  $8q^2 - 15q + 7 = 0$

$$\Rightarrow 8q^2 - 8q - 7q + 7 = 0 \Rightarrow 8q(q-1) - 7(q-1) = 0$$

$$\Rightarrow (q-1)(8q-7) = 0 \quad \therefore q = 1, \frac{7}{8}$$

So,  $p < q$ .

53. (b) I.  $p^2 - 11p + 30 = 0$

$$\Rightarrow p^2 - 6p - 5p + 30 = 0 \Rightarrow p(p-6) - 5(p-6) = 0$$

$$\Rightarrow (p-6)(p-5) = 0 \quad \therefore p = 5, 6$$

II.  $q^2 + 12q + 36 = 0$

$$\Rightarrow q^2 + 6q + 6q + 36 = 0 \Rightarrow q(q+6) + 6(q+6) = 0$$

$$\Rightarrow (q+6)(q+6) = 0 \Rightarrow q = -6$$

So,  $p > q$ .

54. (c) I.  $p^2 + 13p + 40 = 0$

$$\Rightarrow p^2 + 8p + 5p + 40 = 0 \Rightarrow p(p+8) + 5(p+8) = 0$$

$$\Rightarrow (p+8)(p+5) = 0 \quad \therefore p = -8, -5$$

II.  $q^2 + 7q + 10 = 0$

$$\Rightarrow q^2 + 5q + 2q + 10 = 0 \Rightarrow q(q+5) + 2(q+5) = 0$$

$$\Rightarrow (q+5)(q+2) = 0 \Rightarrow q = -2, -5$$

So,  $p \leq y$

55. (b) I.  $p^2 - 20p + 91 = 0$

$$\Rightarrow p^2 - 13p - 7p + 91 = 0 \Rightarrow p(p-13) - 7(p-13) = 0$$

$$\Rightarrow (p-13)(p-7) = 0 \quad \therefore p = 7, 13$$

II.  $q^2 + 16q + 63 = 0$

$$\Rightarrow q^2 + 9q + 7q + 63 = 0 \Rightarrow q(q+9) + 7(q+9) = 0$$

$$\Rightarrow (q+9)(q+7) = 0 \quad \therefore q = -7, -9$$

So,  $p > q$ .

56. (e) I.  $p^2 - p - 12 = 0$

$$\Rightarrow p^2 - 4p + 3p - 12 = 0 \Rightarrow p(p-4) + 3(p-4) = 0$$

$$\Rightarrow (p-4)(p+3) = 0 \quad \therefore p = 4, -3$$

II.  $q^2 + 5q + 6 = 0$

$$\Rightarrow q^2 + 3q + 2q + 6 = 0 \Rightarrow q(q+3) + 2(q+3) = 0$$

$$\Rightarrow (q+3)(q+2) = 0 \Rightarrow q = -2, -3$$

So, no relation.

57. (d) Required number of Workers

$$= (350 \times 3) - (360 + 450) = 240.$$

58. (c) Number of females in Firm - A and B together in 2018

$$= 225 + 90 = 315.$$

Total number of workers in Firm - B and C together in 2018 = 300 + 200 = 500  
 Required percentage

$$= \frac{500 - 315}{500} \times 100 = \frac{185}{5} = 37\%.$$

59. (e) Required number of males

$$= (360 - 180) + (180 - 90) + (225 - 135)$$

$$= 180 + 90 + 90 = 360.$$

60. (b) Average number of workers in Firm - A, B and C in 2017

$$= \frac{360 + 180 + 225}{3} = \frac{765}{3} = 255$$

Required percentage =  $\frac{255}{300} \times 100 = 85\%.$

61. (d) Required ratio =  $\frac{300 - 90}{200 - 60} = \frac{210}{140} = 3 : 2.$

62. (b) Total number of Females in Firm - A, B and C together in 2017 = 180 + 90 + 135 = 405.

Total number of Females in Firm - A, B and C together in 2018 = 225 + 90 + 60 = 375

Required difference = 405 - 375 = 30.

63. (b) Quantity I :

Required profit =  $350 \times \frac{25}{125} = \text{Rs. } 70.$

Quantity II :

Required cost price =  $95 \times \frac{100}{125} = \text{Rs. } 76.$

So, Quantity I < Quantity II.

64. (e) Quantity I :

Required female

$$= 1379 \times \frac{100}{40} \times \frac{50}{50} \times \frac{100 - 20}{100} = 2758.$$

Quantity II : 2758

So, Quantity I = Quantity II

65. (b) Quantity I :

According to the question,

$$\frac{P \times 13 \times 3}{100} = 1560 \Rightarrow P = ₹4,000$$



Quantity II : ₹ 4050.

So, Quantity I < Quantity II.

66. (e) Let breadth of the field be  $b$  m.

So, length of the field =  $(b + 4)$  m

Area of a rectangular field =  $\frac{117}{2.6} = 45 \text{ m}^2$

According to the question,

$$b(b + 4) = 45$$

$$\Rightarrow b^2 + 4b - 45 = 0 \quad \Rightarrow b^2 + 9b - 5b - 45 = 0$$

$$\Rightarrow b(b + 9) - 5(b + 9) = 0 \quad \Rightarrow (b + 9)(b - 5) = 0$$

$$\therefore b = 5, -9$$

Quantity I :

Length of rectangular field =  $5 + 4 = 9$  m

Quantity II : 9 m

So, Quantity I = Quantity II

67. (a) Quantity I :

Let present age of Lalit be  $x$  years

So, present age of Sohni =  $(x + 7)$  years

$$x + 7 + x = 39$$

$$\Rightarrow 2x = 39 - 7 \Rightarrow x = 16 \text{ years}$$

Quantity II : 12 years

So, Quantity I > Quantity II.

68. (e) Profit sharing ratio of A, B & C

$$= (2000 \times 12) : (2000 + 500) \times 12 : (1500 \times 6)$$

$$= 24,000 : 30,000 : 9,000 = 8 : 10 : 3$$

Let total profit be ₹  $P$ .

According to the question,

$$\frac{3}{(8 + 10 + 3)} \times P = 350 \Rightarrow P = ₹ 2450$$

69. (d) Let speed of train be  $S$  m/sec.

And let length of platform be  $l$  meters.

According to the question,

$$\frac{l + 220}{60} = S \quad \dots(1)$$

And,

$$\frac{220}{11} = S + 6 \Rightarrow S = 14 \quad \dots(2)$$

Put value of Eq. 2 in Eq. 1,

$$\frac{l + 220}{60} = 14 \Rightarrow l = 840 - 220 = 620 \text{ m}$$

70. (d) According to the question,

$$1080 = 1800 \times \frac{80}{100} \times \frac{(100 - x)}{100}$$

$$\Rightarrow 1080 = 18 \times \frac{9}{5} \times (100 - x)$$

$$\Rightarrow 75 = 100 - x \Rightarrow x = 25.$$

$$\text{So, required amount} = 1080 \times \frac{100}{125} = 1080 \times \frac{4}{5} = ₹ 864$$

71. (e) Possible cases = 1 Black Pen or 2 Black Pens

Required probability

$$= \frac{{}^5C_1 \times {}^{10}C_1 + {}^5C_2}{{}^{15}C_2} + \frac{{}^5C_2}{{}^{15}C_2}$$

$$= \frac{5 \times 10}{{}^{15}C_2} + \frac{10}{{}^{15}C_2} = \frac{50}{105} + \frac{10}{105} = \frac{60}{105} = \frac{4}{7}$$

72. (a) Let speed of stream be  $y$  Km/hr.

So, speed of boat in still water =  $5y$  Km/hr.

According to the question,

$$\frac{200}{5} = (5y - y) \Rightarrow 4y = 40 \Rightarrow y = 10 \text{ Km/hr.}$$

So, required downstream speed of boat

$$= (5y + y) = 6y = 60 \text{ Km/hr.}$$

73. (b) Let width of rectangle  $R$  be  $5x$  meters.

$$\text{So, length of rectangle } R = 5x \times \frac{140}{100} = 7x \text{ meters}$$

According to the question,

$$5x \times 7x = 1715$$

$$\Rightarrow 35x^2 = 1715 \Rightarrow x^2 = 49 \Rightarrow x = 7$$

Hence, side of square =  $2 \times 7 = 14$  m

Required perimeter =  $4 \times 14 = 56$  m.

74. (d) Required average =  $43 - \frac{[(39 + 47) - (35 + 42)]}{35}$

$$= 43 - \frac{9}{35} = 43 - 0.26 = 42.74 \text{ Kg.}$$

75. (e) Pattern of series -

$$2.5 \times 1 = 2.5 \quad ; 2.5 \times 3 = 7.5$$

$$7.5 \times 5 = 37.5 \quad ; 37.5 \times 7 = 262.5$$

$$262.5 \times 9 = \mathbf{2362.5}$$

76. (b) Pattern of series -

$$60 + 8 = 68 \quad ; 68 - 13 = 55$$

$$55 + 18 = 73 \quad ; 73 - 23 = 50$$

$$50 + 28 = \mathbf{78.}$$

77. (d) Pattern of series -

$$176 - 80 = \mathbf{96}$$

$$96 - 40 = 56$$

$$56 - 20 = 36$$

$$36 - 10 = 26$$

$$26 - 5 = 21$$

78. (d) Pattern of series -

$$\begin{array}{cccccc} 140 & 142 & 147 & 157 & 174 & \mathbf{200} \\ \hline & +2 & +5 & +10 & +17 & +26 \\ \hline & & +3 & +5 & +7 & +9 \end{array}$$

79. (c) Pattern of series -

$$2.5 \times 1 - 1 = 1.5$$

$$1.5 \times 2 - 2 = 1$$

$$1 \times 3 - 3 = 0$$

$$0 \times 4 - 4 = -4$$

$$-4 \times 5 - 5 = \mathbf{-25}$$

80. (b) Pattern of series -

$$? = 12600 \div 3 = \mathbf{4200}$$

$$4200 \div 4 = 1050$$

$$1050 \div 5 = 210$$

$$210 \div 6 = 35$$

$$35 \div 7 = 5$$



# IBPS RRB Officer Scale-I Main Solved Paper 2020

Based on Memory

## REASONING ABILITY

**DIRECTIONS (Qs. 1-5) :** Study the following information carefully and answer the questions given below :

There are eight persons  $P, Q, R, S, T, U, V$  and  $W$  are sitting around a circular table. All are facing towards the center of the table. All of them has different age viz. 17 yrs, 19 yrs, 23 yrs, 27 yrs, 29 yrs, 32 yrs and 39 yrs but not necessarily in the same order.  $V$  sits third to left of  $Q$  who is 23 yrs old. Three persons sit between  $V$  and  $R$  who is 17 yrs old. Two persons, sit between  $R$  and  $W$ . The one who is 39 yrs old sits immediate left of  $W$ . Two persons sit between the one who is 39 yrs old and the  $U$  who is 19 yrs old.  $P$  faces  $T$  but none of them is 39 yrs old.  $S$  does not sit adjacent to  $T$ . The one who is 32 yrs old sits third to right of one who is 27 yrs old. The one who is 30 yrs old sits immediate left of one who is 32 yrs old.

- Who among following is 39 yrs old?  
(a)  $T$  (b)  $P$  (c)  $W$  (d)  $V$   
(e) None of these
- What is the age of  $P$ ?  
(a) 27 yrs (b) 29 yrs (c) 30 yrs (d) 32 yrs  
(e) 39 yrs
- Who among the following sits second to the right of  $Q$ ?  
(a)  $W$  (b)  $T$  (c)  $R$  (d)  $S$   
(e)  $U$
- Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?  
(a)  $U$  (b)  $W$  (c)  $S$  (d)  $Q$   
(e)  $R$
- Who among following sits third to left of  $P$ ?  
(a)  $R$  (b)  $Q$  (c)  $W$  (d)  $S$   
(e)  $V$

**DIRECTIONS (Qs. 6-10) :** Study the following information carefully and answer the questions given below :

Eight persons i.e.  $P, Q, R, S, T, U, V$  and  $W$  are born in different years i.e. 1990, 1991, 1992, 1993, 1994, 1995, 1996 and 1997. Each of them likes different Foods i.e. Dhokla, Samosa, Jalebi, Biryani, Laddu, Peda, Petha and Burfi. All information is not necessarily in the same order. Three persons born between  $R$  and the one who likes Laddu, both persons born in even year.  $Q$  born in 1996 and likes Jalebi. The person who likes Biryani born just before the one who likes Peda.  $R$  does not like Peda. Only two persons born between  $T$  and the one who likes Petha. Equal number of persons born before the one who likes Burfi and after the one who likes Jalebi.  $T$  born in even year and before the person who likes Petha.  $U$  born before  $S$  and after  $W$  but not just before and

after.  $T$  does not born in 1994.  $P$  born in even year and does not like Dhokla. Two persons born between  $P$  and the one who likes Samosa.  $S$  does not like Samosa.

- How many persons were born in between  $T$  and  $V$ ?  
(a) Five (b) Two (c) Four (d) Three  
(e) None
- Who among the following person was born in 1990?  
(a)  $S$  (b)  $U$  (c)  $W$  (d)  $R$   
(e) None of these
- $P$  born in which of the following year?  
(a) 1991 (b) 1993 (c) 1996 (d) 1994  
(e) None of these
- Which of the following combination is true?  
(a)  $S$  - Peda (b)  $V$  - Dhokla  
(c)  $P$  - Burfi (d)  $W$  - Peda  
(e)  $Q$  - Jalebi
- Who among the following person like Peda?  
(a)  $P$  (b)  $S$  (c)  $T$  (d)  $U$   
(e) None of these

**DIRECTIONS (Qs. 11-15) :** Study the following information carefully and answer the questions given below :

Eight persons  $A, B, C, D, E, F, G$  and  $H$  are seated in a linear line facing north, but not necessarily in the same order.

$E$  sits third to the left of  $F$  who sits at one of the extreme ends of the row. Neither  $E$  nor  $F$  is an immediate neighbour of  $C$ .  $H$  and  $C$  are immediate neighbours. Neither  $H$  nor  $C$  sits extreme end of the row.  $B$  sits third to the right of  $C$ .  $D$  does not sit at any extreme end of the row. Neither  $D$  nor  $H$  is neighbour of  $E$ .  $A$  is third to the left of  $D$ .

- Based on the given arrangement, which of the following is true with respect to  $E$ ?  
(a) Only two persons sit between  $E$  and  $D$   
(b) Only two persons sit to the right of  $E$   
(c) None of the given options is true  
(d) Both  $A$  and  $B$  are immediate neighbours of  $E$   
(e)  $A$  sits on the immediate right of  $E$
- What is the position of  $A$  with respect to  $B$ ?  
(a) Immediate left (b) Immediate right  
(c) Second to the left (d) Second to the right  
(e) None of these
- Who among the following represents the person seated at the extreme end of the line?  
(a)  $F$  (b)  $B$  (c)  $A$  (d)  $H$   
(e)  $C$
- How many persons sit between  $H$  and  $D$ ?  
(a) One (b) Three (c) Five (d) None  
(e) None of these
- Who sits between  $E$  and  $D$ ?  
(a)  $H$  (b)  $C$  (c) No one (d)  $B$   
(e) None of these

**DIRECTIONS (Qs. 16-20) :** Study the following information carefully and answer the questions given below :

There are 8 boxes which are different sizes - 2 Kg, 3 Kg, 4 Kg, 5 Kg, 6 Kg, 7 Kg, 8 Kg and 9 Kg. Each of them contains an alphabet written on them from *A* to *H* according to which they are placed one above the other. The box containing alphabet *A* is at the lowest place. Each box has different colour balls - Black, Yellow, Green, Orange, Blue, White, Red and Pink, but not necessarily in the same order. Only one box is there between 3 Kg box and the one which contains Blue ball. Alphabet *D* is written on the 9 Kg box. The alphabet on 7 Kg box is vowel and is placed somewhere above the box alphabet *D*.

There are three boxes between 5 Kg box and the one which contains White ball. The alphabet written on 4 Kg box is Consonent and is placed above the box contains White balls. The box which contains Red balls is placed immediately above 8 Kg box, which contains neither White nor Black balls. The 6 Kg box does not contain Red balls. There are three boxes placed between 8 Kg and 2 Kg boxes. The box which contains Pink balls is placed immediately above the one which contains Yellow balls, but not at the topmost position. Only one box is there between 7 Kg box and the one which contains Red balls. The number of boxes placed above 7 Kg box is same as the number of boxes placed between 5 Kg and 7 Kg boxes. Only one box is there between the one which contains Pink balls and 9 Kg box. Two boxes are placed between 4 Kg box and the one which contains Black balls.

16. Four of the following five are alike in a certain way and so form a group. Which one of the following does not belong to the group?  
 (a) 8 Kg box - Orange balls (b) 4 Kg box - White balls  
 (c) 7 Kg box - Blue balls (d) 9 Kg box - Pink balls  
 (e) 5 Kg box - Green balls
17. How many boxes are placed between 4 Kg box and the one which contains Green balls?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
18. Which of the following statements is true with respect to the given information?  
 (a) 8 Kg box is placed immediately above the one which contains Black balls  
 (b) 6 Kg box is placed immediately above 4 Kg box  
 (c) Three boxes are placed between 7 Kg box and the one which contains Pink balls  
 (d) 5 Kg box contains Blue balls  
 (e) Alphabet *G* is written on 4 Kg box
19. Which box is placed exactly between 9 Kg box and the one which contains Yellow balls?  
 (a) 6 Kg and 7 Kg boxes  
 (b) 8 Kg and 5 Kg boxes  
 (c) 3 Kg and 2 Kg boxes  
 (d) 6 Kg and 7 Kg boxes  
 (e) 6 Kg and 2 Kg boxes
20. Which of the following balls does 6 Kg box contains?  
 (a) Pink (b) Yellow (c) Green (d) Blue  
 (e) Red

**DIRECTIONS (Qs. 21-23) :** In these following questions the symbols @, #, \$, & and % are used with the following meanings :

- A @ B means A is neither greater than nor equal to B  
 A # B means A is not lesser than B  
 A \$ B means A is neither greater than nor lesser than B  
 A & B means A is not greater than B  
 A % B means A is neither lesser than nor equal to B

In each of the following questions four statements followed by three conclusions marked I, II and III are given. Assuming the statements to be true, find which of the three conclusions follow(s) the given statements.

21. **Statements :** P % K, P & R, S \$ R, S & T

**Conclusions :**

- I. P @ S      II. T % P      III. P \$ T  
 (a) Only I follows      (b) Only II follows  
 (c) Only III follows      (d) Either II or III follows  
 (e) None follows

22. **Statements :** T \$ F, F # G, G @ H, H & R

**Conclusions :**

- I. T % G      II. F @ H      III. R % G  
 (a) None follows      (b) Both II and III follow  
 (c) Both I and III follow      (d) Either I or III follows  
 (e) All follows

23. **Statements :** C % D, D & E, F \$ D, F & G

**Conclusions :**

- I. C % D      II. G @ D      III. D % G  
 (a) Both I and II follow      (b) Both II and III follow  
 (c) Both I and III follow      (d) Either I or III follows  
 (e) All follows

24. In a certain code language,

**Rahul speaks louder** is coded as - '6ca 7ka 8ud'

**Drama speaks truth** is coded as - '4vm 8ud 5ht'

**Rahul played Drama** is coded as - '2ck 6ca 4vm'

**Truth louder go** is coded as - '3pm 5ht 7ka'

How is **go** coded in the given language

- (a) 4vm (b) 2ck (c) 3pm (d) 7ka  
 (e) 8ud

25. Mohan walks 9 m towards south from his office to reach chowk. Then take left and walks 16 m to reach Mandir. Then he turns 90 degree anti-clockwise direction and walks 9 m to reach Market. From the Market he takes left and walks 9 m to reach home.

Chowk is in which direction with respect to Mohan's Home?

- (a) South (b) South west (c) North (d) South east  
 (e) East

**DIRECTIONS (Qs. 26-27) :** Read the following information carefully and answer the questions given below :

If 'A × B' means 'A is father of B'.

If 'A + B' means 'A is wife of B'.

If 'A ÷ B' means 'A is daughter of B'.

If 'A – B' means 'A is son of B'.

26. What will come in the place of the question mark, to establish that *M* is the nephew of *Q* in the expression :

'M ? N ÷ P × Q'

- (a) + (b) – (c) × (d) ÷  
 (e) Can't be determined

27. Which of the following relations are true based upon the relations given in the equation :  
' $P - Q \times R + S - T$ '?  
(a)  $P$  is the brother of  $T$  (b)  $R$  and  $S$  are brothers  
(c)  $Q$  is the husband of  $S$  (d)  $Q$  is the uncle of  $R$   
(e) None of these
28. Pointing to a girl in the picture, Nitin said, "Her mother's brother is the only son of my mother's father". How is the girl's mother related to Nitin?  
(a) Mother (b) Grand mother  
(c) Aunt (d) Sister  
(e) None of these

**DIRECTIONS (Qs. 29-31) :** Each of the questions below consists of a question and three statements numbered I, II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the question and all three statements and given answer accordingly.

- (a) Only I and II are sufficient to answer the question  
(b) Only II and III are sufficient to answer the question  
(c) All I, II and III are not sufficient to answer the question  
(d) All I, II and III are sufficient to answer the question  
(e) Only I and either II or III are sufficient to answer the question
29. The conclusion of some Yellow is Red which is not White is definitely followed by which of the following statements?  
I. Some Pink is Yellow; All Yellow is Red; No White is a Blue; Some Black is Yellow.  
II. Some Red are Blue; No Black is a Red; All Blue are Yellow; No Blue is a White.  
III. No White is a Black; Some Black is Blue; No Yellow is a Red; All Yellow is Pink.
30. Some of the Men are standing in a line and all are facing south direction. How many Men standing in a line?  
I.  $V$  sits fourth to the extreme end of the line. One person sits between  $P$  and  $X$ .  $P$  is not an immediate neighbour of  $V$ .  $P$  is not sits any extreme end of the line.  $Z$  sits second to the right of  $V$ .  
II. Four persons sit between  $X$  and  $Z$ .  $T$  sits third to the left of  $Q$ .  $R$  is the only immediate neighbour of  $T$ .  $A$  sits fifth to the left of  $W$ .  
III.  $Z$  sits third to the right of  $U$ .  $P$  is an immediate neighbour of  $W$  but not an immediate neighbour of  $X$ .  $W$  sits one of the extreme end.
31. Seven families  $A, B, C, D, E, F$  and  $G$  are living in seven different floors. Ground floor is numbered as one and the above floor is numbered as two and so on till the topmost floor is numbered as seven. Then  $F$  lives in which floor?  
I.  $E$  lives in the odd numbered floor below  $A$ . The number of floors above  $C$  is same as below  $D$ .  
II. There are two floors between where  $B$  and  $A$  lives.  $G$  does not live in the even numbered floor.  
III.  $A$  lives in an even numbered floor.  $B$  lives below third floor.  $F$  lives below  $C$ .  $C$  lives two floors below  $G$ .

**DIRECTIONS (Qs. 32-33) :** Based on the alphanumeric series given below, answer the following questions :

$Y \% \wedge KVP3U8A0\&29EFZN4* @O?M$

32. How many numbers in the series are preceded by a vowel?  
(a) Four (b) None (c) Two (d) One  
(e) Three
33. What is the second element to the right of 7th element from left?  
(a) K (b) V (c) 3 (d) 8  
(e) None of these
34. **Statement :** The Teacher humiliated Raman in front of his classmates on a Monday morning.  
**Conclusion I :** The Teacher did not like Raman.  
**Conclusion II :** Raman was not as popular as his other classmates.  
(a) If only conclusion II follows  
(b) If both conclusions I and II follow  
(c) If neither conclusion I nor II follows  
(d) If either conclusion I or II follows  
(e) If only conclusion I follows

**DIRECTIONS (Qs. 35-36) :** In each question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows/follow from the given statements, disregarding commonly known facts.

- (a) If only conclusion II follows  
(b) If both conclusions I and II follow  
(c) If neither conclusion I nor II follows  
(d) If either conclusion I or II follows  
(e) If only conclusion I follows
35. **Statements :**  
Some Metro are Train.  
Some Trains are Rajdhani.  
All Rajdhani are Tejas.  
**Conclusions :**  
I. Atleast some Tejas are Metro.  
II. No Tejas is a Metro.
36. **Statements :**  
Some Pen are Pencils.  
Some Pencils are Eraser.  
No Eraser is a Bag.  
**Conclusions :**  
I. All Bags being Pen is possibility.  
II. Atleast some Erasers are Bags.

**DIRECTIONS (Qs. 37-39) :** Study the following information carefully and answer the questions given below :

Seven girls - Anu, Priya, Radha, Deepa, Geeta, Payal and Jyoti have different height and weight such that the tallest one is not the heaviest one.  
Deepa is taller than Anu but not heavier than Jyoti. Priya is heavier than Geeta but not as much tall as Radha. Payal is heavier than Priya and Geeta but shorter than Radha and Priya. Deepa is not taller than Payal. Jyoti is not taller than

Anu and also not heavier than Geeta. Anu is not lighter than Radha who is heavier than Priya. Radha is shorter than only one girl. Payal is not the second heaviest and is lighter than Radha.

37. Who among the following is the third lightest?  
 (a) Anu (b) Payal (c) Jyoti (d) Geeta  
 (e) Radha
38. How many girl(s) are lighter than the one who is second tallest?  
 (a) Four (b) One (c) Two (d) Three  
 (e) Five
39. Who among the following is the tallest?  
 (a) Jyoti (b) Geeta (c) Priya (d) Payal  
 (e) Anu
40. How many meaningful words can be formed using 3rd, 7th and 9th letter of the word "PLANTATION".  
 (a) One (b) Two (c) Three (d) None  
 (e) None of these

### QUANTITATIVE APTITUDE

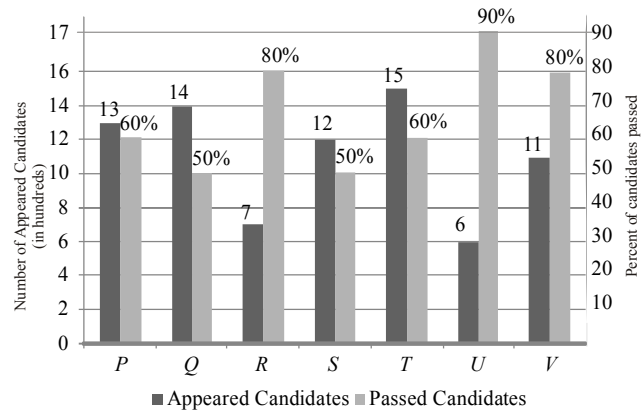
**DIRECTIONS (Qs. 41-45) :** Study the following information carefully and answer the questions given below it:

Renu wants to pursue her M.Sc. from BITS Pilani, Dubai, but to be able to afford it, she has to take an education loan. The loan agreement guaranteed to pay 70% of all her expenses. This way she only had to bear the remaining costs. As soon as she landed in the Dubai, she had to pay the rent for her new apartment. The apartment rent was \$500 per month. She then paid her tuition fee for the current semester worth \$25000. On an average she spent \$350 on utilities and groceries per month. Given that, Renu's course lasted a total of two years (comprising of 2 semesters per year) and the bank gave 70% of the total expenses of two years at the beginning of her course.

41. How much did the bank have to pay in total for two years on behalf of Renu?  
 (a) \$84280 (b) \$87300 (c) \$90000 (d) \$74200  
 (e) None of these
42. If the bank charges simple interest at the rate of 10% per annum, then find the total interest amount that Renu paid after 2 years. (Assume she pays off the entire loan after 2 years of completion of course)  
 (a) \$15200 (b) \$17000 (c) \$16856 (d) \$16000  
 (e) \$12345
43. Find, the annual amount spent on utilities is what percentage less than the annual amount spent on rent?  
 (a) 20% (b) 25% (c) 30% (d) 12.5%  
 (e) 35%
44. Renu gets an internship for a period of 4 months. The company where she'll doing internship pays \$13000 per month. The utilities and rent for these 4 months is what percentage of the total amount she earns from the intership?  
 (a) 5% (b) 7.2% (c) 6.42% (d) 6%  
 (e) 6.53%
45. Renu decides to live with her relatives for 7 months so she will not have to pay for rent and utilities. How much does she save on rent and utilities?  
 (a) \$5950 (b) \$5500 (c) \$6000 (d) \$5250  
 (e) None of these

**DIRECTIONS (Qs. 46-50) :** Study the following graph and answer the questions that follow:

Number of Appeared Candidates and Passed Candidate (out of hundred) in a Exam from Seven Different colleges



46. What is the average number of candidates passed from all the institutions together?  
 (a) 576 (b) 708 (c) 670 (d) 880  
 (e) 690
47. What is the difference between the number of candidates appeared from colleges Q, R, S and U together and candidates passed from colleges P, T and V together?  
 (a) 1000 (b) 1200 (c) 1050 (d) 1100  
 (e) None of these
48. Number of candidates passed from colleges R and T together is approximately, what percentage of the total number of candidates passed from colleges P and V together  
 (a) 88% (b) 76% (c) 56% (d) 94%  
 (e) 97%
49. From which college the difference between the appeared candidates and passed candidates is maximum?  
 (a) S (b) P (c) Q (d) V  
 (e) None of these
50. What is the respective ratio between the number of candidates who have failed from college Q and the number of candidates who have appeared from college U?  
 (a) 3 : 2 (b) 2 : 3 (c) 5 : 7 (d) 7 : 6  
 (e) 2 : 5

**DIRECTIONS (Qs. 51-55) :** What should come in place of question mark (?) in the following questions?

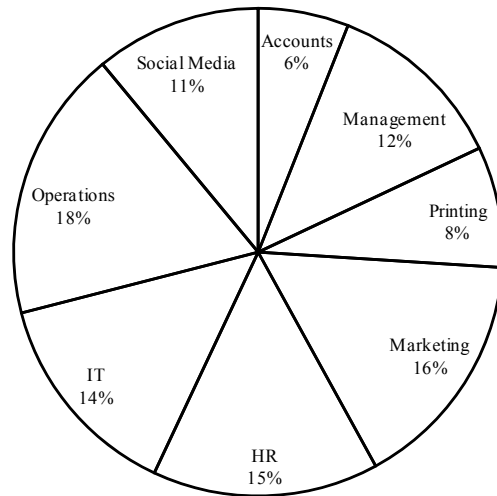
51. 711, 719, 735, 767, 831, ?  
 (a) 1063 (b) 1045 (c) 1105 (d) 959  
 (e) 1055
52. 245, 384, 567, ?, 1089, 1440  
 (a) 1230 (b) 735 (c) 800 (d) 885  
 (e) 805
53. 2755, 2629, 2479, ?, 2099, 1865  
 (a) 2400 (b) 2207 (c) 2197 (d) 2387  
 (e) 2303
54. 29, 38, -26, -1, -217, ?  
 (a) -168 (b) -257 (c) +168 (d) 1  
 (e) -278

55. 632, 582, 534, 488, 444, ?  
 (a) 420 (b) 415 (c) 415 (d) 402  
 (e) 404
56. In Parade Ground, Dehradun an exhibition was organised, hand-made crafts are displayed for sale. Some Boys are assigned the work of selling crafts. The overall profit  $p$  depends on the number of Boys  $\times$  Selling the crafts on that particular day and is given by the equation  $p = 250x - 5x^2$ . The Manager claims to have made a maximum profit. Find the number of Boys engaged in selling the crafts and the maximum profit made.  
 (a) 15, Rs. 3125 (b) 25, Rs. 2700  
 (c) 25, Rs. 3125 (d) 35, Rs. 3000  
 (e) None of these
57. Gaurav incurred a loss of 40 per cent on selling an article for Rs. 8760. What was the cost price of the article?  
 (a) Rs. 12400 (b) Rs. 14000  
 (c) Rs. 17050 (d) Rs. 14600  
 (e) Rs. 15300
58. A Four wheeler costing Rs. 4,00,000 of a person depreciated at the rate of 15% in the first year, 13% in the second year and so on. Flat of that person, costing Rs. 8,00,000 appreciated at the rate of 10% in the first year, 12% in the second year and so on. What was the change in total value of four wheeler, Flat at the end of 3 years?  
 (a) Rs. 1,76,325 (b) Rs. 1,87,123  
 (c) Rs. 1,93,257 (d) Rs. 1,86,846  
 (e) Rs. 1,40,000
59. Sonu can do a piece of work in 24 days. Pintu can do the same work in 30 days and Gaurav in 40 days. Sonu and Gaurav worked for 3 days and handed it to Pintu. Pintu worked for some day and handed it to Sonu and Gauav, 7 days before completing the work. For how many days did Pintu work?  
 (a) 15 days (b) 12 days  
 (c) 11 days (d) 9 days  
 (e) 10 days
60. Saurav walk a certain distance and ride back taking a total time of 27 minutes. Saurav could walk both ways in 35 minutes. How long would it take Saurav to ride both ways?  
 (a) 17 min. (b) 23 min.  
 (c) 19 min. (d) 18 min.  
 (e) 21 min.
61. A sum of Rs. 10,277 is to be paid back in 3 equal annual installments by Ankush. How much is each installment if the interest is compounded annually at 13% per annum?  
 (a) Rs. 3700 (b) Rs. 4300  
 (c) Rs. 4100 (d) Rs. 3850  
 (e) Rs. 3753
62. The difference between compound interest and simple interest at the same rate of interest  $R$  percent per annum on an amount of Rs. 10,000 for 2 years is Rs. 81. What is the value of  $R$ ?  
 (a) 7% (b) 6% (c) 11% (d) 10%  
 (e) 9%
63. In how many different ways can the letters of word 'REGULAR' be arranged?  
 (a) 2520 (b) 2410 (c) 2630 (d) 2560  
 (e) 2480

64. When 4 coins are tossed together, then, probability of getting exact 3 heads is?  
 (a)  $\frac{1}{3}$  (b)  $\frac{1}{2}$  (c)  $\frac{1}{7}$  (d)  $\frac{7}{23}$   
 (e)  $\frac{1}{4}$
65. While purchasing a watch that costs Rs. 300, one has to pay sales tax at the rate of 8% and on another watch costing Rs. 5400, the rate of sales tax was 9%. The percent of sales tax one has to pay, taking these watches together on an average is?  
 (a)  $8\frac{7}{23}\%$  (b)  $8\frac{54}{57}\%$   
 (c)  $7\frac{3}{37}\%$  (d)  $9\frac{1}{7}\%$   
 (e) None of these

**DIRECTIONS (Qs. 66-70) :** Study the following graph carefully to answer the given questions :

**Total Number of Employees = 3000**



Male and Female Ratio			
Department	Male	:	Female
Management	7	:	5
Printing	2	:	3
Marketing	5	:	3
HR	7	:	8
IT	3	:	4
Operations	5	:	4
Social Media	6	:	5
Accounts	2	:	1

66. What is the ratio between male employees in Management and Accounts Departments respectively?  
 (a) 5 : 1 (b) 1 : 5 (c) 3 : 2 (d) 4 : 7  
 (e) 7 : 4

67. What is the difference between total number of employees in IT and Operations Departments?  
(a) 80 (b) 120 (c) 115 (d) 125  
(e) 118
68. What is the ratio between total number of males in HR and Marketing and the total number of females in these two departments respectively?  
(a) 17:14 (b) 14:17 (c) 21:23 (d) 23:21  
(e) 7:11
69. How many female employees are there in Printing Department?  
(a) 124 (b) 150 (c) 148 (d) 136  
(e) None of these
70. What is the difference between the male and female employees in Social Media Departments?  
(a) 25 (b) 28 (c) 32 (d) 30  
(e) 34

**DIRECTIONS (Qs. 71-75) :** Study the following table carefully and answer the questions given below :

**Number of Laptop, Macbook and Desktop manufactured (in thousand) by a company over the years.**

Year	Laptop	Macbook	Desktop
2007	250	140	115
2008	200	155	120
2009	230	160	135
2010	245	175	125
2011	260	185	130
2012	275	220	120

71. Which type of object manufactured by company during 2007 to 2012 is the maximum?  
(a) Macbook  
(b) Desktop  
(c) Laptop  
(d) Macbook and Desktop both  
(e) Desktop and Laptop both
72. What was the percentage increase in the production of Laptop from 2007 to 2012?  
(a) 7% (b) 9% (c) 12% (d) 11%  
(e) 10%
73. Which type of object registered a continuous increase in the production over the years?  
(a) Laptop (b) Macbook  
(c) Desktop (d) Both Laptop and Macbook  
(e) None of these
74. The production of Desktop in the year 2011 was what percent of the production of Laptop in the year 2010?  
(a) 52.01% (b) 53.06% (c) 51.17% (d) 55.11%  
(e) 53%
75. What was the percentage increase in the production of Macbook from 2008 to 2010?  
(a) 11.8% (b) 12% (c) 13.7% (d) 12.9%  
(e) 12.8%

**DIRECTIONS (Qs. 76-80) :** Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the

statements are sufficient to answer the question. Read both the statements and give answer.

- (a) The data in Statement I alone is sufficient to answer the question, while the data in Statement II alone is not sufficient to answer the question.  
(b) The data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question.  
(c) Either Statement I or Statement II alone is sufficient to answer the question.  
(d) The data in both the Statements I and II is not sufficient to answer the question.  
(e) The data in both the Statements I and II together is necessary to answer the question.
76. What is the value of the two-digit number?  
**Statement I :** The sum of the digits at unit's place and tenth's place is 7.  
**Statement II :** When the digits are interchanged then the number obtained is 45 larger than the original number.
77. Can a water tank of 2300 litres capacity be filled by two inlet pipes  $x$  and  $y$  together in less than 5 hours?  
**Statement I :** If pipe  $x$  is opened alone then it takes 11 hours to fill the tank.  
**Statement II :** Pipe  $y$  can fill 2.5 litres of water per minute.
78. How much time will Lokesh take to cover a distance of 126 km at a uniform speed?  
**Statement I :** The speed of Rohit is 12 km per hour more than that of Lokesh.  
**Statement II :** If Rohit increases his speed by 30% then he takes 3 hours less to cover a distance of 390 km.
79. What is the area of a right-angled triangle  $ABC$ ?  
**Statement I :** The length of sides  $AB$  and  $BC$  of the triangle is 40 cm and 9 cm respectively.  
**Statement II :** The inradius of the triangle  $ABC$  is 4 cm, and the circumradius 20.5 cm.
80. What is the sum of  $m$  and  $n$ ?  
**Statement I :**  $17m + 5n = 145$   
**Statement II :**  $n = 29 - 3.4m$

## COMPUTER KNOWLEDGE

81. If you are going to a site you use often, instead of having to type in the address every time, you should \_\_\_\_\_  
(a) Save it as a file (b) Make a copy of it  
(c) Bookmark it (d) Delete it  
(e) None of the above
82. The \_\_\_ key and the \_\_\_ key can be used in combination with other keys to perform shortcuts and special tasks.  
(a) Control, Alt (b) Function, toggle  
(c) Delete, Insert (d) Caps Lock, Num Lock  
(e) None of the above
83. What are .bas, .doc, and .htm examples of?  
(a) extensions (b) domains  
(c) protocols (d) databases  
(e) None of these
84. Which is a graphical representation of an application?  
(a) Windows 95 (b) Windows Explorer  
(c) Icon (d) Taskbar  
(e) None of the above

85. A program that generally has more user-friendly interface than a DBMS is called a \_\_\_\_\_.
- (a) front end (b) repository  
(c) back end (d) form  
(e) None of these
86. \_\_\_\_\_ is the process of finding errors in software code.
- (a) Compiling (b) Assembling  
(c) Interpreting (d) Debugging  
(e) None of these
87. A computer \_\_\_\_\_ is a set of program instructions that can attach itself to a file, reproduce itself, and spread to other files.
- (a) worm (b) virus  
(c) trojan horse (d) phishing scam  
(e) None of these
88. A modem \_\_\_\_\_.
- (a) translates analog signals from a computer into digital signals that can travel along conventional telephone lines.  
(b) translates digital signals from a computer into analog signals that can travel along conventional telephone lines.  
(c) demodulates digital signals from a computer.  
(d) modulates signals from an analog telephone line.  
(e) None of these
89. Which one of the following is a key function of a firewall?
- (a) Monitoring (b) Deleting  
(c) Copying (d) Moving  
(e) None of these
90. Multiprogramming systems \_\_\_\_\_.
- (a) Are easier to develop than single programming systems.  
(b) Execute each job faster .  
(c) Execute more jobs in the same time period.  
(d) Use only one large mainframe computer.  
(e) None of these.
91. The first step in the transaction processing cycle is \_\_\_\_\_.
- (a) database operations (b) audit  
(c) data entry (d) use inquiry  
(e) None of these
92. Bytes combined to represent a named collection of instructions or data stored in the computer or digital device is a \_\_\_\_\_.
- (a) digitalization (b) kilobyte  
(c) record (d) file  
(e) None of these
93. \_\_\_\_\_ is a type of high-speed memory that a processor can access more rapidly than RAM.
- (a) Cache memory  
(b) Magnetic-storage  
(c) Read-Only Memory (ROM)  
(d) Solid state storage  
(e) None of these
94. When writing a document, you can use the \_\_\_\_\_ feature to find an appropriate word or an alternative word if you find yourself stuck for the right word.
- (a) dictionary (b) word finder  
(c) encyclopedia (d) thesaurus  
(e) None of these
95. When installing \_\_\_\_\_, the user must copy and usually decompress program files from a CD-ROM or other medium to the hard disk.
- (a) programming software (b) system hardware  
(c) applications hardware (d) applications software  
(e) None of these
96. \_\_\_\_\_ shows the files, folders, and drives on your computer, making it easy to navigate from one location to another within the file hierarchy.
- (a) Microsoft Internet Explorer  
(b) Windows Explorer  
(c) My Computer  
(d) Folders Manager  
(e) None of these
97. Which of the following controls the manner of interaction between the user and the operating system?
- (a) User interface (b) Language translator  
(c) Platform (d) Screen saver  
(e) None of these
98. A standard CD player accesses data/information using which method?
- (a) Sequential access (b) Random access  
(c) Multivariate access (d) All of these  
(e) None of these
99. Decreasing the amount of space required to store data and programs is accomplished by \_\_\_\_\_.
- (a) pressing (b) disk caching  
(c) RAID (d) crashing  
(e) file compression
100. A 32-bit-word computer can access \_\_\_\_\_ byte at a time.
- (a) 4 (b) 8 (c) 16 (d) 32  
(e) 30
101. \_\_\_\_\_ is the maximum amount of data that can be stored on a storage medium.
- (a) Magnetic storage (b) Optical storage  
(c) Solid-state storage (d) Storage capacity  
(e) None of these
102. A computer used at supermarkets, departmental stores and restaurant etc. is called \_\_\_\_\_ terminal
- (a) P-O-S (b) Dumb  
(c) Intelligent (d) Smart  
(e) calculating
103. What happens when we try to delete the files on the floppy?
- (a) The files get moved to the Recycle Bin  
(b) Files on a floppy cannot be deleted  
(c) The files get deleted and can be restored again from Recycle Bin.  
(d) The files get deleted and cannot be restored again  
(e) The file gets copied on the Hard disk
104. The secret code that restricts entry to some programs is
- (a) password (b) passport  
(c) entry-code (d) access-code  
(e) None of these
105. To be able to "boot", the computer must have a(n)
- (a) Compiler (b) Loader  
(c) Operating System (d) Assembler  
(e) None of these
106. The DBMS that is most difficult to use is \_\_\_\_\_.
- (a) Microsoft's SQL Server  
(b) Microsoft's Access  
(c) IBM's DB2  
(d) Oracle Corporation's Oracle  
(e) None of these



107. Which among the following is an appropriate binary conversion for the number 421 (which is of base 10)?  
 (a) 11010100 (b) 10101010  
 (c) 10011001 (d) 010101010  
 (e) 110100101
108. BSODs can be caused by poorly written device drivers or mal-functioning hardware, such as faulty memory, power supply issues, overheating of components, or hardware running beyond its specification limits. Which color screen is displayed when encountered a BSOD Error?  
 (a) Blue (b) Red (c) Grey (d) Black  
 (e) Green
109. A \_\_\_\_\_ uses pressure as a user presses it with a stylus to send signals.  
 (a) touchpad (b) Track Point  
 (c) graphics tablet (d) trackpad  
 (e) keyboard
110. The \_\_\_\_\_ enables you to simultaneously keep multiple Web pages open in one browser window.  
 (a) tab row (b) pop-up helper  
 (c) address bar (d) Esc key  
 (e) None of these
111. Which is the slowest internet connection service?  
 (a) Digital Subscriber Line (b) TI  
 (c) Cable modem (d) Leased Line  
 (e) Dial-up Service
112. A \_\_\_\_\_ shares hardware, software and data among authorized users.  
 (a) network (b) protocol  
 (c) hyperlink (d) transmitter  
 (e) None of these
113. With \_\_\_\_\_, the computer's modem uses a standard telephone line to connect to the Internet.  
 (a) DSL  
 (b) dial-up access  
 (c) ISDN  
 (d) cable television Internet services  
 (e) satellite
114. Which of the following is not true concerning user IDs and passwords?  
 (a) When you enter your user ID and password the computer knows it is you.  
 (b) If your computer asks for a user ID and password, you can create your own.  
 (c) Sometimes you are assigned a user ID and password, for security reasons.  
 (d) You should share your user ID and password with at least one other person.  
 (e) None of these.
115. Unsolicited commercial email is commonly known as  
 (a) spam (b) junk  
 (c) hoaxes (d) hypertext  
 (e) None of these
116. \_\_\_\_\_ search engine sends request for information to several search engines simultaneously and compiles the results  
 (a) Meta (b) Individual  
 (c) Directory (d) Subject directory  
 (e) None of these
117. Which key is used in combination with another key to perform a specific task?  
 (a) Function (b) Control  
 (c) Arrow (d) Space bar  
 (e) None of these
118. The connection between your computer at home and your local ISP is called \_\_\_\_\_.  
 (a) the last mile (b) the home stretch  
 (c) the home page (d) the backbone  
 (e) the vital mile
119. Which of the following device is used to connect two systems, especially if the systems use different protocols?  
 (a) hub (b) bridge  
 (c) gateway (d) repeater  
 (e) None of these
120. Which of the following terms is just the collection of networkd that can be joined together?  
 (a) virtual private network (b) LAN  
 (c) intranet (d) extranet  
 (e) intranet

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### GENERAL AWARENESS

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121. What is the theme of the G20 Leaders' Summit 2020?  
 (a) Fighting poverty with rigidity  
 (b) Realizing Opportunities of the 21st Century For All'.  
 (c) "Human-Centred Future Society"  
 (d) Making the world together  
 (e) None of these
122. Every year International Mountain Day is celebrated on December 11 by United Nations. What is the theme of this event in 2020?  
 (a) Mountain Biodiversity (b) Green Mountain  
 (c) Save Mountain (d) Clean Mountain  
 (e) All of the above
123. Who authored the book "A Song of India"?  
 (a) Ruskin Bond (b) Shashi Tharoor  
 (c) Chetan Bhagat (d) Khuswant Singh  
 (e) None of these
124. What was the Theme of the Budget 2020-21?  
 (a) Aspirational India  
 (b) Economic development for all  
 (c) Caring society  
 (d) Both (b) and (c)  
 (e) All of these
125. Who was the 2019 ICC ODI World Cup winning team Captain?  
 (a) Michael Clarke (b) Steve Waugh  
 (c) Eoin Morgan (d) Ricky Ponting  
 (e) Kane Williamson
126. What is the limit of Mudra Scheme Tarun?  
 (a) up to ₹ 50,thousand (b) up to ₹ 1 Lakh  
 (c) up to ₹ 5 Lakh (d) up to10 lakhs  
 (e) None of these
127. When World Population Day is celebrated?  
 (a) 20 June (b) 23 May  
 (c) 11 August (d) 25 October  
 (e) 11 July

128. Allahabad Bank has been merged with which of the following Banks?  
 (a) Punjab National Bank (b) State Bank of India  
 (c) Union Bank of India (d) Indian Bank  
 (e) None of these
129. India's first small finance bank has been opened in which city?  
 (a) Jalandhar (b) Ahmadabad  
 (c) Bengluru (d) Kolkata  
 (e) New Delhi
130. Recently, the Digital Quality of Life (DQL) Index 2020 has been released. Which country is on the top of the list?  
 (a) USA (b) China  
 (c) Norway (d) Denmark  
 (e) Japan
131. Who authored the book "How to be a writer"?  
 (a) Ruskin Bond (b) Arundhati Roy  
 (c) Vishal Bhardwaj (d) Chetan Bhagat  
 (e) None of these
132. The value of Special Drawing Right (SDR) is determined by the basket of ..... currencies.  
 (a) 4 (b) 8 (c) 6 (d) 7  
 (e) 5
133. Which of the following currency has largest weightage in the determination of the value of the SDR?  
 (a) Japanese Yen (b) Euro  
 (c) US Dollar (d) British Pound  
 (e) None of these
134. What is the minimum limits for RTGs?  
 (a) 1 lakh (b) 2 lakh  
 (c) 5 lakh (d) 6 lakh  
 (e) No limits
135. Which of the following is NOT a correct statement with respect to Freedom of speech and expression in India?  
 (a) It is enshrined in Part III of the Constitution  
 (b) It is not an absolute right to express one's thoughts freely  
 (c) It cannot be curtailed by legislation  
 (d) It can be suspended in emergency  
 (e) All of the above
136. In which part of the Indian Constitution, special provisions have been made for National Scheduled Castes and Scheduled Tribes, Other Backward Classes and Anglo Indians?  
 (a) Part XVI (b) Part XI  
 (c) Part XXI (d) Part XIII  
 (e) None of these
137. Where are the UNICEF Headquarters located?  
 (a) New York, United States (b) Paris, France  
 (c) Rome, Italy (d) Davos, Switzerland  
 (e) London, England
138. When the National Technology Day is celebrated every year?  
 (a) 1st January (b) 11th June  
 (c) 23rd July (d) 3rd September  
 (e) 11th May
139. When did the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) come into force?  
 (a) September 7, 2005 (b) November 10, 2005  
 (c) February 2, 2006 (d) March 3, 2006  
 (e) None of these
140. What is the Capital of Indonesia?  
 (a) Bali (b) Jambi  
 (c) Papua (d) Kuala Lumpur  
 (e) Jakarta
141. Who has been named as the ICC Cricketer of the year 2020?  
 (a) Joe Root (b) Ben Stokes  
 (c) Steve Smith (d) Kumar Sangakkara  
 (e) Virat Kohli
142. Who recommends the Minimum Support Prices (MSP)?  
 (a) Union Ministry of Finance  
 (b) NITI Aayog  
 (c) Respective State Governments  
 (d) Commission for Agricultural Costs and Prices  
 (e) None of these
143. What does the term IPO stand for?  
 (a) Initial Purchase Order (b) Initial Payment Order  
 (c) Initial Public Offering (d) Initial Product Offering  
 (e) None of these
144. Which of the given facilities enable transfer of funds in real time?  
 (a) NEFT (b) Demand Draft  
 (c) RTGS (d) Cheque  
 (e) Money Order
145. In which year the Sukanya Samridhi Yojana was launched?  
 (a) 2014 (b) 2015 (c) 2016 (d) 2017  
 (e) 2019
146. Which of the following is the principle business carried out by NBFC?  
 (a) Hire purchasing finance (b) Housing finance  
 (c) Investment and loan (d) All of the above  
 (e) None of these
147. In India, which of the following organizations take care of the agriculture and rural development credits needs?  
 (a) IDBI (b) ADBI  
 (c) ICAR (d) FCI  
 (e) NABARD
148. Priority Sector includes which of the following categories?  
 (a) Agriculture  
 (b) Micro, Small and Medium Enterprises (MSME)  
 (c) Export Credit  
 (d) Education  
 (e) All of the above
149. Eastern DFC runs from Ludhiana to .....  
 (a) Ahmadabad (b) Delhi  
 (c) Kolkata (d) Assam  
 (e) None of these
150. The loan limit for education under priority sector is.....  
 (a) ₹ 1 million (b) ₹ 2 million  
 (c) ₹ 3 million (d) ₹ 4 million  
 (e) ₹ 5 million
151. Which of the following is Not a category under 'Agriculture'?  
 (a) Farm credit  
 (b) Agriculture infrastructure  
 (c) Land Lease  
 (d) Ancillary activities  
 (e) None of these

**ENGLISH LANGUAGE**

**DIRECTIONS (Qs. 161-168):** Read the following passage and answer the following questions based on the passage. Some words are highlighted to help you locate while answering the questions.

Tightening the noose around fraudsters rigging the Goods and Services Tax (GST) regime, the government has roped in the Income tax department to tap illicit incomes as part of a crackdown against 7,000 fraud companies, identified using data analytics tools, Finance Secretary Ajay Bhushan Pandey said. Any income traceable to the use of fake bills and other GST frauds shall be considered concealed income and attract severe penalties so direct tax collections may also get a leg-up while better compliance pushed GST collections to a record high of ₹1.15 lakh crore in December 2020.

"GST collections in December show the economy is undoubtedly on the fast recovery track. We have also been working on improving compliance for more than a year now, at the systemic level and at the enforcement level," Mr. Pandey said. "We will be honouring the honest, but at the same time, we will not hesitate from doing things to deter those who try to cheat the system. I think there is now a sense among the fringe elements, who were trying to game the system that it is not going to be so easy to continue in that fashion as the times have changed. And that is leading to better compliance," he added.

Over the past one and a half months, 'concerted action' has been taken to ensure compliance in the GST net, pooling data with States, the Income Tax (IT) and Customs departments, banks and other agencies, the Finance Secretary said. "So we are today in a position to undertake data analytics to pinpoint those who are trying to game the system and take targeted action against such tax frauds. We have been able to identify 7,000 companies who have been issuing fake bills or using fake bills to ..... (A) GST and Income Tax," he said. In a recent case, an e-commerce player was found to have even procured manpower services from a fake company, he pointed out. Around 187 persons have already been arrested, including five chartered accountants and a company secretary.

"Most of them had to spend 40-50 days in jail, because the crime was so grave that the courts were not inclined to give them bail. The IT Department is also taking action as the direct tax implications for beneficiaries of fake invoices, are much, much higher than the GST implication," the top Finance Ministry official said. "If you see the penalties on I-T evasion, it will be more than the invoice value itself," Mr. Pandey said. This co-ordinated action has also helped bolster Customs revenues, which crossed the ₹16,000 crore mark in December, 93% higher than the same period a year ago.

152. Which of the following are the Key Features of the Delhi School Bag Policy?  
 (a) The weight of the school bag should not be more than 10% of the body weight.  
 (b) The students should be practiced with the habit of reading library books.  
 (c) No homework should be issued to students of class 1 and class two students  
 (d) Only single notebook should be carried by class 1 and class 2 students  
 (e) All of these
153. What year was the Statue of Liberty dedicated?  
 (a) 1945 (b) 1952  
 (c) 1976 (d) 1982  
 (e) 1986
154. CVC has constituted an 'Advisory Board for Banking Frauds (ABBF)' to examine bank fraud of and recommend action under chairmanship of \_\_\_\_\_?  
 (a) Bimal Jalan  
 (b) T M Bhasin  
 (c) D Subbarao  
 (d) R Gandhi  
 (e) None of these
155. World's first cellular system was developed by.....?  
 (a) Nippon Telephone and Telegraph (NTT)  
 (b) Bellcore and Motorola  
 (c) AT&T Bell Laboratories  
 (d) Qualcomm  
 (e) None of these
156. Who releases National Strategy for Financial Education?  
 (a) Reserve Bank of India  
 (b) HRD Ministry  
 (c) Finance Ministry  
 (d) University Grants Commission (UGC)  
 (e) None of these
157. Which sport's competition is awarded the "Stanley Cup"?  
 (a) Tennis  
 (b) Baseball  
 (c) Hockey  
 (d) Football  
 (e) Badminton
158. What is the name of the Grand Slam tennis tournament played on clay courts?  
 (a) Australian Open  
 (b) French Open  
 (c) Wimbledon Championship  
 (d) US Open  
 (e) None of these
159. The area of EEZ along the west coast of India is.....?  
 (a) 0.86 million sq. km (b) 0.90 million sq. km  
 (c) 0.56 million sq. km (d) 1.0 million sq. km  
 (e) 0.46 million sq. km
160. Golf player Vijay Singh belongs to which country?  
 (a) USA (b) Pakistan  
 (c) India (d) UK  
 (e) Fiji

161. Which of the following can be inferred from the information given in the passage?

- (I) The government has directed Income Tax Department to seize illegal income of companies marked as frauds  
 (II) Income generated through using fake bills and GST hoaxes will be penalized

- (III) Direct Tax and GST collections will be increased with the penalties on illegal income  
 (a) Both I and II (b) Both II and III  
 (c) Both I and III (d) All I, II and III  
 (e) None of the above
162. Which of the following category of people the author is referring when he mentions "fringe elements"?
- (a) Those who try to manipulate or cheat the system for their self-interests  
 (b) Those who know that they can't continue to abuse the system rules  
 (c) People who are honest will be honoured and cheaters will be prevented from doing so  
 (d) Those people who have constantly acquired benefits of system's leniency  
 (e) None of the above
163. What the GST collections have impacted?
- (a) The collections have improved the working of IT department  
 (b) They have put wrong-doers behind the bars  
 (c) They have put economic growth on a fast track  
 (d) The concealed income of fraud companies is revealed through GST collections  
 (e) All of the above
164. What the author refers to when he mentions "concerted action" according to the above passage?
- (a) Actions taken by the IT department to establish compliance in the GST functionaries  
 (b) To gather data from States, Income Tax and Customs and banks  
 (c) Both (a) and (b)  
 (d) Undertaking data analytics to target fraud companies and thus take action against them.  
 (e) People won't be able to procure manpower from illegal companies through these actions
165. Which of the following statement cannot be inferred from the given passage?
- (I) The court denies the bail of criminals when the crime is extremely grave  
 (II) The times are no more the same where people would commit crime and not caught  
 (III) The co-ordinated actions generated higher Customs revenues  
 (a) Both I and II (b) Both II and III  
 (c) Both I and III (d) All I, II and III  
 (e) None of the above
166. Which of the following is most similar in meaning with the word BOLSTER as highlighted in the given passage?
- (a) Embroid (b) Augment  
 (c) Vitiate (d) Sententious  
 (e) Unassuming
167. Which of the following words can fit in the blank (A) to make the sentence grammatically and contextually correct?
- (a) Quaff (b) Evade  
 (c) Adage (d) Maul  
 (e) Trite
168. Which of the following mentions the meaning of phrasal verb ROPED-IN as highlighted in the passage?

- (a) Confluence (b) Participate  
 (c) Oriented (d) Belittled  
 (e) Persuade

**DIRECTIONS (Qs. 169-173):** The question consists of six statements labelled A, B, C, D, E, and F which when logically ordered form a coherent passage. Choose the option that represents the most logical order.

- (A) It was finally nationally recognized in 2000.  
 (B) King's widow, Coretta Scott King, continued to fight for the approval of the holiday and testified before Congress multiple times.  
 (C) Most businesses are closed and the federal government is off as well on this day as people come together to honour and remember civil rights activist Martin Luther King Jr.  
 (D) Martin Luther King, Jr Day is celebrated on the third Monday of every year.  
 (E) The proposition to mark this day as a federal holiday was introduced in the late 1960s, but did not come into effect until decades later.  
 (F) In fact, in Alabama and Mississippi, it coincides with Robert E. Lee Day, which celebrates the life of a Confederate general.
169. Which among the following will be the fourth sentence of the paragraph after the rearrangement?  
 (a) D (b) F (c) E (d) A  
 (e) B
170. Which among the following will be the second sentence of the paragraph after the rearrangement?  
 (a) B (b) C (c) E (d) D  
 (e) F
171. Which among the following will be the fifth sentence of the paragraph after the rearrangement?  
 (a) A (b) C (c) F (d) B  
 (e) E
172. Which among the following will be the FIRST sentence of the paragraph after the rearrangement?  
 (a) B (b) D (c) C (d) E  
 (e) A
173. Which among the following will be the third sentence of the paragraph after the rearrangement?  
 (a) A (b) D (c) F (d) B  
 (e) C

**DIRECTIONS (Qs. 174-178):** Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

174. The effortlessly chic design of the interiors (1)/ is matched by the luxury of the(2)/ facilities which include an indoor pool, hot tub, (3)/ health club and restaurant.(4)  
 (a) 1 (b) 2 (c) 3 (d) 4  
 (e) No Error
175. India battled its worst desert (1)/locust outbreak in June-July this (2)/ year that the spread to nine heartland states and crop losses (2)/was reported in parts of Rajasthan and UP. (4)  
 (a) 1 (b) 2 (c) 3 (d) 4  
 (e) No Error

176. People notoriously fail (1)/to stick to New (2)/Year's resolutions, and this (3)/year it may be even harder. (4)  
 (a) 1 (b) 2 (c) 3 (d) 4  
 (e) No Error
177. Foreign companies as well as local ones (1)/need good access to land procurement (2)/in remote parts for potential (3)/manufacturing or assembly units. (4)  
 (a) 1 (b) 2 (c) 3 (d) 4  
 (e) No Error
178. Recent hike in steel prices by domestic (1)/manufacturers on the back of (2)/run up in global steel prices (3)/have lead to a rally in the stock. (4)  
 (a) 1 (b) 2 (c) 3 (d) 4  
 (e) No Error

**DIRECTIONS (Qs. 179-183):** In this question, two columns I and II and three sentences are given, which are divided into two parts. Column I (A, B and C) consists of first half of each sentence and Column II (D, E and F) consists of second half of each sentence. Match column I with column II, so that the sentences formed are both meaningful and grammatically correct. Choose the option as your answer.

179. **Column (I)**  
 (A) The air hostess' PPE uniform makes him  
 (B) Faith in entities is often an act of personal commitment  
 (C) Urdu was considered the language of poetry,  
**Column (II)**  
 (D) any mass campaign that involves voluntary effort  
 (E) but now people associate it with terrorism  
 (F) feel that he is flying to space  
 (a) B-D (b) A-E and C-F  
 (c) C-E (d) A-F and C-E  
 (e) C-D and A-F
180. **Column (I)**  
 (A) India's trade with China declined last year to the  
 (B) The record date for buyback of equity shares  
 (C) SWITCH UAV is an indigenous system built to cater  
**Column (II)**  
 (D) to the most demanding surveillance operations of the Indian forces  
 (E) as well as payment of the interim dividend will be January 28  
 (F) lowest level since 2017, with the trade deficit narrowing to a five-year low  
 (a) B-E and C-F (b) A-E, B-E and C-D  
 (c) A-F and C-D (d) B-F  
 (e) A-E and C-F
181. **Column (I)**  
 (A) This results in governments selling minerals at prices  
 (B) The Trump administration certainly did achieve some  
 (C) The Delhi government will provide free COVID-19  
**Column (II)**  
 (D) rowing empirical evidence of large losses in mining from around the world  
 (E) of the outlined objectives, particularly in expanding security cooperation with India  
 (F) vaccination to residents of the Capital if the Centre fails to do so

- (a) B-E and C-F (b) A-E, B-F and C-D  
 (c) A-F and C-D (d) B-F  
 (e) A-E and C-F
182. **Column (I)**  
 (A) The Board said the increased ammonia levels have impaired  
 (B) The virus gives cause for an immediate review  
 (C) America's acrimony towards Cuba has  
**Column (II)**  
 (D) has tested positive can be allowed to remain  
 (E) its water treatment plants and a drinking water crisis looms large in Delhi  
 (F) its roots in the Cold War period  
 (a) C-F (b) B-F and C-D  
 (c) C-D (d) B-F  
 (e) A-E and C-F
183. **Column (I)**  
 (A) It is important to have your presence in  
 (B) Once the papers are evaluated by the  
 (C) To thwart any such nefarious activities, a vigorous  
**Column (II)**  
 (D) exercise has been carried out by the BSF troops all along the border  
 (E) the digital space to increase your revenue  
 (F) teachers, answer keys will be uploaded  
 (a) B-F and A-E (b) C-D and B-E  
 (c) A-F and C-E (d) B-D and A-F  
 (e) A-E, B-F, C-D

**DIRECTIONS (Qs. 184-188):** In the following passage, there are blanks each of which has been numbered. These numbers correspond to the question numbers. Against each question, five words have been suggested, one of which would fill the blank appropriately. Mark the suitable word as the answer.

The principle that the economy must be "sustainable" - we cannot \_\_\_184\_\_\_ the ability of future generations to meet their needs - is beyond question. Climate change and high levels of consumption already \_\_\_185\_\_\_ to rob future generations of a planet that is livable. The principle of Intergenerational Equity would make it imperative for us to ensure future generations inherit at least as much as we did. If we are successful in abiding by intergenerational equity, our children will be at least as well off as we are. If we leave a \_\_\_186\_\_\_ as well, they will be better off than us. To \_\_\_187\_\_\_ what we have inherited without a thought for generations to come will leave the whole world poorer; like an addict selling the family gold. India's National Mineral Policy 2019 states: "natural resources, including minerals, are a shared inheritance where the state is the trustee on behalf of the people to ensure that future generations receive the benefit of inheritance." The primary objective of a trustee/manager is to maintain the corpus of the trust, the shared inheritance of natural resources. The \_\_\_188\_\_\_ of oil, gas and minerals is effectively the sale of this inheritance, with royalties and other proceeds being the consideration paid in exchange for the mineral wealth extracted.

184. (a) Disperse (b) Vaccine  
 (c) Succeed (d) Imply  
 (e) Compromise

185. (a) Understood (b) Afflict  
(c) Threaten (d) Evacuate  
(e) Slacked
186. (a) Bequest (b) Persuade  
(c) Obstruct (d) Meritorious  
(e) Disconcert
187. (a) Strength (b) Gloom  
(c) Disagree (d) Consume  
(e) Conquer
188. (a) Ambulation (b) Extraction  
(c) Irreversible (d) Exacerbation  
(e) Approximation

**DIRECTIONS (Qs. 189-191):** In the following question, a word is given, which has been used in the three statements given below it. Identify the statement(s) in which the word fits contextually to convey a logical meaning.

189. **Disseminate**  
(1) Universities are expected to help disseminate information.  
(2) If researchers are willing to disseminate misleading claims then their integrity is brought into question.  
(3) Internet based media disseminate information and knowledge far more quickly than conventional media.  
(a) Only 1 (b) Both 1 and 2  
(c) Only 21 (d) Both 2 and 3  
(e) All 1, 2 and 3
190. **Inoculate**  
(1) Maharashtra will inoculate its citizens four days a week.  
(2) Thailand is set to begin inoculating its citizens against COVID-19 before the end of February.  
(3) Police suspect that the woman was inoculated to death.  
(a) Only 1 (b) Only 2  
(c) Both 1 and 2 (d) Only 3  
(e) All 1, 2 and 3
191. **Efficacy**  
(1) Medtronic has launched a clinical trial assessing the efficacy and safety of a new technique for Parkinson's.  
(2) Depression, stress, loneliness and poor health can weaken the efficacy of vaccines.  
(3) It wasn't apparent how the researchers calculated the efficacy rate as they didn't provide detailed breakdown of the study.  
(a) Only 1 (b) Only 2  
(c) Both 1 and 2 (d) Both 1 and 3  
(e) All 1, 2 and 3

**DIRECTIONS (Qs. 192-196):** In the question given below, a word is given which is followed by five options. In each of the options, a pair of words is given, which are either the pair of synonyms or antonyms or synonym & antonym of the given word. Choose the correct pair as your answer.

192. **Stringent**  
(a) Fictitious, blunder (b) Strict, Repulsive  
(c) Rigorous, Lax (d) Accurate, Lessen  
(e) Facilitate, Astound
193. **Deter**  
(a) Grim, Alluring (b) Endure, Clever  
(c) Frustrate, Noble (d) Desolate, Malignant  
(e) Dissuade, Encourage

194. **Captivate**  
(a) Defamation, Incompetent (b) Fascinate, Disillusion  
(c) Terminate, Cruelty (d) Virtuous, Concealed  
(e) Prominent, Approve
195. **Acrimony**  
(a) Scorn, Regard (b) Deny, Oppose  
(c) Insensitive, Merciful (d) Rancour, Resentment  
(e) Prominent, Approve
196. **Sabotage**  
(a) Wreck, Vandalize (b) Harmonious, Unruffled  
(c) Stormy, Reveal (d) Disguise, Rebuke  
(e) Acclaimed, Ionized

**DIRECTIONS (Qs. 197-200):** A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits the blank appropriately.

197. Mobile data will allow remote access to all the databases and software applications a firm can \_\_\_\_\_.  
(a) Disintegrate (b) Tragic  
(c) Open (d) Muster  
(e) Praise
198. A \_\_\_\_\_ inquiry cannot effectively address the underlying causes.  
(a) Adversary (b) Perfunctory  
(c) Laudatory (d) Misery  
(e) Rediscovery
199. The local Samiti Member threatened the sand smugglers to \_\_\_\_\_ in false cases.  
(a) Compassionate (b) Hastened  
(c) Implicate (d) Spirited  
(e) Requisite
200. Each speech will be followed by a voice vote that is \_\_\_\_\_ to a confidence vote.  
(a) Appease (b) Irritate  
(c) Tedious (d) Courteous  
(e) Tantamount

## HINDI LANGUAGE

**निर्देश ( प्र.सं. 201-210 ):** नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के उत्तर दीजिए।

यह उन दिनों की बात है जब अमेरिकी कारोबारी किंग जिलेट भी आर्थिक तंगी से गुजर रहे थे। वह जैसे-तैसे गुजारा कर रहे थे। शुरू में कुछ दोस्तों ने उनकी मदद की पर बाद में उन्होंने भी मुँह फेरना शुरू कर दिया। जिलेट अपने लिए कोई काम ढूँढ रहे थे। काम की तलाश में वह सुबह निकल जाते और थके-माँदे देर रात को वापस आते। आखिरकार एक दिन उन्हें एक कंपनी में क्लर्क का काम मिल गया। वे मन लगाकर अपना काम करने लगे। एक दिन उस्तरे से सेविंग करते समय उन्हें बहुत परेशानी का सामना करना पड़ा। उस्तरे की धार निकल चुकी थी और वह बमुश्किल ही काम करता था। उस दिन जिलेट ने सोचा कि दाढ़ी बनाने की परेशानी दूर करने के लिए क्या कोई तकनीक नहीं ईजाद की जा सकती। उसी समय उन्हें ब्लेड बनाने का ख्याल आया मगर उसके लिए जरूरी मशीन खरीदने में असमर्थ थे। लेकिन जिलेट पर ब्लेड बनाने की धुन सवार हो चुकी थी, इसलिए उन्होंने कर्ज लेकर मशीन खरीदी। फिर वे ब्लेड बनाने में जुट गए। उन्हें सफलता नहीं मिली और वे पूरी तरह कर्ज में डूब गए। लोग उन पर हँसते थे। मगर इतनी मुश्किल समय में भी

जिलेट ने हिम्मत नहीं हारी और अपने काम में पूरी तन्मयता से लगे रहे। उन्हें अपने ऊपर भरोसा था। आखिरकार उन्होंने ब्लेड बनाने में सफलता प्राप्त कर ही ली। कुछ समय में उनके द्वारा बनाए गए ब्लेडों की पूरे विश्व में धूम मच गई। उनके पास दौलत और शोहरत दोनों आ गई। आज भी उनके बनाए 'जिलेट ब्लेड' की पूरी दुनिया में जबर्दस्त मांग है। उनके बनाए ब्लेड के कारण उन्हें आज भी लोग याद करते हैं।

201. शीविंग करते समय जिलेट को क्यों परेशानी हुई थी?
- (a) उस्तरा टूट गया था  
(b) उस्तरे की धार निकल चुकी थी।  
(c) उनका उस्तरा टूट गया था  
(d) उन्हें उस्तरा लगने से खून निकल आया था  
(e) इनमें से कोई नहीं
202. जिलेट किस देश के कारोबारी थे?
- (a) ब्रिटेन (b) ऑस्ट्रेलिया  
(c) कीनिया (d) जापान  
(e) इनमें से कोई नहीं
203. जिलेट अपनी जिदंगी में किस दौर से गुजर रहे थे?
- (a) आर्थिक तंगी (b) व्यस्तता  
(c) खुशहाली (d) अस्वस्थता  
(e) इनमें से कोई नहीं
204. जिलेट नौकरी मिलने पर कैसे काम करते थे?
- (a) बहुत धीरे से (b) बहुत तेजी से  
(c) मन लगाकर (d) कामचोरी करते थे  
(e) इनमें से कोई नहीं
205. दाढ़ी बनाने की परेशानी दूर करने के लिए जिलेट ने क्या सोचा?
- (a) तकनीक ईजाद करने की संभावना के बारे में  
(b) सैलून में दाढ़ी करवाने के बारे में  
(c) दाढ़ी बढ़ाने के बारे में  
(d) नया उस्तरा खरीदने के बारे में  
(e) इनमें से कोई नहीं
206. जिलेट को क्या काम मिला था?
- (a) जूते बेचने का (b) दुकान की सफाई का  
(c) कार चलाने का (d) सैलून चलाने का  
(e) इनमें से कोई नहीं
207. गद्यांश के संदर्भ में 'दोस्तों ने मुँह फेरना शुरू कर दिया' का अर्थ क्या है?
- (a) दोस्तों ने जिलेट की ओर देखना बंद कर दिया  
(b) दोस्त जिलेट को देखते ही राह बदल लेते थे  
(c) दोस्तों ने जिलेट से बात करना बंद कर दिया  
(d) दोस्तों ने जिलेट को आर्थिक मदद करना बंद कर दिया  
(e) इनमें से कोई नहीं
208. आज भी लोग जिलेट को क्यों याद करते हैं?
- (a) उनकी समाज सेवा के कारण  
(b) जिलेट के ब्लेड के कारण  
(c) उनकी बहादुरी के कारण  
(d) उनकी कंजूसी के कारण  
(e) (b) एवं (c) दोनों के कारण
209. जिलेट पर क्या धुन सवार थी?
- (a) खूब पढ़ने की (b) डॉक्टर बनने की  
(c) विदेश जाने की (d) ब्लेड बनाने की  
(e) समाज सेवा करने की

210. जिलेट के पास पैसों की कमी थी फिर भी उसने मशीनें खरीदी थी।
- (a) उन्होंने मशीन चुराई थी।  
(b) उन्होंने मशीन किराए पर ली थी  
(c) उन्होंने कर्ज लेकर मशीन खरीदी थी  
(d) उन्होंने मशीन नहीं खरीदी थी  
(e) इनमें से कोई नहीं

**निर्देश ( प्र.सं. 211-215 ): वाक्य के अशुद्ध भाग का चयन करें।**

इस प्रकार के प्रश्न में एक वाक्य को खण्डों में बांटकर उन्हें (a), (b), (c), (d) तथा (e) की संज्ञा दी जाती है। परीक्षार्थी को वाक्य को पढ़कर उस खण्ड का चयन करना होता है जो व्याकरण अथवा शब्द-ज्ञान के नियमों के अनुसार त्रुटिपूर्ण हो। यदि सभी खण्ड त्रुटि रहित हों, तो 'कोई त्रुटि नहीं' को उत्तर के रूप में चिह्नित करें।

211. बीमारी के निमित्त (a) / मैं कल कॉलेज (b) / न जा सका। (c) / न पढ़ सका (d) / कोई त्रुटि नहीं (e)
212. यदि पर्यावरण की रक्षा न की गई (a) / तो एक दिन ऐसा आयेगा जबकि (b) / मनुष्य का जीवित रहना (c) / दूबर हो जाएगा। (d) / कोई त्रुटि नहीं (e)
213. पहाड़ (a) / के ऊपर (b) / एक मंदिर (c) / और एक तालाब है। (d) / कोई त्रुटि नहीं (e)
214. वे मित्र होकर भी (a) / परस्पर एक-दूसरे को संदेह (b) / की दृष्टि से देखते हैं (c) और व्यवहार करते हैं (d) / कोई त्रुटि नहीं (e)
215. जब मैं बोलूँ (a) / या निर्देश दूँ (b) / तब तुम तुरन्त उठकर (c) / चले जाओ (d) / कोई त्रुटि नहीं (e)

**निर्देश ( प्र.सं. 216-220 ): नीचे दिए गए वाक्यों के रिक्त-स्थानों की पूर्ति कीजिए। इसके लिए पाँच विकल्प प्रस्तावित हैं। उपयुक्त विकल्प का चयन कीजिए तथा उत्तर-पत्र में निर्देशानुसार चिह्न लगाइए।**

216. विधि का यही ..... है कि जो जन्मा है उसकी मृत्यु अवश्य होगी।
- (a) अनुदेश (b) रचना  
(c) प्रावधान (d) अध्यादेश  
(e) विधान
217. वैज्ञानिकों ने अब जीवों में ..... गुणों का समावेश करने की क्षमता प्राप्त कर ली है।
- (a) आनुपातिक (b) अनुश्राविक  
(c) आनुषंगिक (d) आनुवांशिक  
(e) जैविक
218. माननीय न्यायाधीश ने वाद को खरिज करते हुए वादी को कोई ..... नहीं प्रदान किया।
- (a) सहायता (b) पारितोषिक  
(c) निर्देश (d) अनुतोष  
(e) आश्वासन
219. आणविक भट्टियाँ असीमित शक्ति का ..... हैं।
- (a) साधन (b) स्रोत  
(c) उपकरण (d) माध्यम  
(e) कोश
220. अतः नम्र ..... है कि मुझे एक सप्ताह का अवकाश प्रदान किया जाए।
- (a) विनय (b) आग्रह  
(c) आवेदन (d) विनती  
(e) निवेदन



**निर्देश ( प्र.सं. 221-225 ) :** नीचे (A), (B), (C), (D) और (E) में पाँच कथन दिए गए हैं। इन्हें इस तरह क्रमबद्ध कीजिए कि उनसे एक अर्थपूर्ण बन जाए। फिर उसके बाद दिए गए प्रश्नों के उत्तर दीजिए।

- (A) सुनते ही सियार बोला- औरों का तो एक, किन्तु आपके अठारह अंग टेढ़े हैं।  
 (B) एक बार एक स्थान पर हाथी, बाघ, तोता कुत्ता, बगुला, ऊंट आदि पशु-पक्षी मिल जाए।  
 (C) उदाहरण देते हुए वह बोला-हाथी की सूंड, कुत्ते की पूंछ, बाघ के नाखून, तोते की चोंच और बगुले की गर्दन टेढ़ी हैं।  
 (D) उत्साही ऊंट को अपने ज्ञान का बहुत अभिमान था।  
 (E) उसने सभी प्राणियों को संबोधित करते हुए कहा-इस दुनिया में टेढ़े अंग वाले पशुओं की भरमार है।
221. परिच्छेद का अंतिम वाक्य कौन-सा होगा?  
 (a) A (b) B (c) C (d) D  
 (e) E
222. परिच्छेद का पहला वाक्य कौन-सा होगा?  
 (a) A (b) B (c) C (d) D  
 (e) E
223. परिच्छेद का चौथा वाक्य कौन-सा होगा?  
 (a) A (b) B (c) C (d) D  
 (e) E
224. परिच्छेद का तीसरा वाक्य कौन-सा होगा?  
 (a) A (b) B (c) C (d) D  
 (e) E
225. परिच्छेद का दूसरा वाक्य कौन-सा होगा?  
 (a) A (b) B (c) C (d) D  
 (e) E

**निर्देश ( प्र.सं. 226-235 ) :** नीचे दिए गए परिच्छेद में कुछ रिक्त-स्थान छोड़ दिए गए हैं तथा उन्हें प्रश्न संख्या में दर्शाया गया है। ये संख्याएँ परिच्छेद के नीचे मुद्रित हैं, और प्रत्येक के सामने (a), (b), (c), (d) और (e) विकल्प दिए गए हैं। इन पाँच में से कोई एक इस रिक्त-स्थान को पूरे परिच्छेद के संदर्भ में उपयुक्त ढंग से पूरा कर देता है। आपको वह विकल्प ज्ञात करना है, और इसका क्रमांक ही उत्तर के रूप में दर्शाना है। दिए गए विकल्पों में से उचित विकल्प चुनिए और उसके अनुसार सही उत्तर दीजिए।

राघव की माँ को लगा था जैसे (226) की एक पागल आँधी ने उसे भारत से उठा कर (227) में फेंक दिया हो। जिस एकमात्र बेटे के परिवार के बसने पर उसकी (228) सारी हसरतें टिकी थीं, उस लाडले ने एक ऐसा (229) सामने रख दिया था जो एक दुर्गम और अलंघ्य (230) की तरह माँ के सामने उपस्थित हो गया। फैसला भी ऐसा जो कम-से-कम भारत वर्ष की प्रकृति का तो बिल्कुल ही नहीं था। राघव ने दृढ़ता से कहा, 'अब मुझसे शादी करना (231) नहीं होगा, माँ। घर-गृहस्थी में देने के लिए मेरे पास (232) टाइम नहीं है, न सिर्फ मेरे पास, बल्कि रंजना के पास भी नहीं है। देख ही रही हो, हम दोनों की ही जॉब की (233) ऐसी है कि रात ग्यारह बजे तक हमें रती भर फुर्सत नहीं मिलती। इसलिए हमने मिलकर तय किया है कि फिलहाल शादी के (234) में न बंधें।' माँ पर मानों घड़ों पानी पड़ गया। वो (235) लगी कि लिव-इन-रिलेशनशिप का भूत मेरे बेटे को ही लगना था!

226. (a) खुशी (b) दुःख  
 (c) परिवर्तन (d) आवेग  
 (e) आपदा

227. (a) अमेरिका (b) दिल्ली  
 (c) घर (d) पाकिस्तान  
 (e) लखनऊ
228. (a) अत्यधिक (b) बेपनाह  
 (c) असंख्य (d) बहुत  
 (e) असीम
229. (a) अत्याचार (b) व्यवहार  
 (c) कठिन (d) फैसला  
 (e) सरल
230. (a) राजमार्ग (b) पर्वत  
 (c) निर्णय (d) मार्ग  
 (e) उपाय
231. (a) संभव (b) कैसे  
 (c) आखिर (d) कोई  
 (e) असंभव
232. (a) कैसा (b) रखा  
 (c) घर (d) बिल्कुल  
 (e) ठीक
233. (a) मस्ती (b) संभावना  
 (c) ताकत (d) कभी  
 (e) सदैव
234. (a) मस्ती (b) संभावना  
 (c) ताकत (d) चाहत  
 (e) प्रबलता
235. (a) रोने (b) सोचने  
 (c) डरने (d) लिखने  
 (e) पढ़ने

**निर्देश ( प्र.सं. 236-237 ) :** नीचे दिए गए विकल्पों में से पर्यायवाची शब्द चुनें।

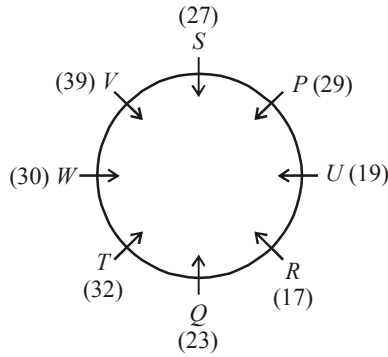
236. रात्रि  
 (a) क्षपा (b) तमीचर (c) अम्मा (d) विभावरी  
 (e) वार
237. तरणि  
 (a) सूर्य (b) नाव (c) युवती (d) नदी  
 (e) किरण

**निर्देश ( प्र.सं. 238-240 ) :** नीचे लिखे प्रश्नों में दिये गये शब्दों के विलोम बताइये।

238. दुर्जन  
 (a) सुजन (b) संबंधी  
 (c) परिजन (d) साजन  
 (e) सज्जन
239. 'कृपण' का उपयुक्त विलोम शब्द चुनें।  
 (a) परोपकारी (b) दानी  
 (c) भिखारी (d) स्वार्थी  
 (e) समर्थक
240. 'लघिमा' का उपयुक्त विलोम होगा:  
 (a) लघुत्व (b) गुरुत्व  
 (c) महिमा (d) दीर्घ  
 (e) गरिमा

# HINTS & SOLUTIONS

Sol. (1-5) :



1. (d) 2. (b) 3. (e)
  4. (b) Age of all is odd, except W.
  5. (b)
- Sol. (6-10) :

Year	Person	Foods
1990	R	Dhokla
1991	W	Burfi
1992	T	Biryani
1993	U	Peda
1994	P	Laddu
1995	S	Petha
1996	Q	Jalebi
1997	V	Samosa

6. (c) 7. (d) 8. (d) 9. (e) 10. (d)

Sol. (11-15) :



11. (d) 12. (c) 13. (a) 14. (e) 15. (d)

Sol. (16-20) :

H	3 Kg.	Orange balls
G	4 Kg.	Red blls
F	8 Kg.	Blue balls
E	7 Kg.	White balls
D	9 Kg.	Black balls
C	6 Kg.	Green balls
B	2 Kg.	Pink balls
A	5 Kg.	Yellow balls

16. (c) 17. (d) 18. (e) 19. (e) 20. (c)

21. (e)  $P \% K \rightarrow P > K$

$$P \& R \rightarrow P \leq R$$

$$S \$ R \rightarrow S = R$$

$$S \& T \rightarrow S \leq T$$

On combining given statements :

$$K < P \leq R = S \leq T$$

**Conclusions :**

I.  $P @ S \rightarrow P < S$  (False as  $P \leq R = S$  and  $P \leq S$ )

II.  $T \% P \rightarrow T > J$  (False as  $P \leq R = S \leq T$  and  $T \geq P$ )

III.  $P \$ T \rightarrow P = T$  (False as  $P \leq R = S \leq T$  and  $P \leq T$ )

Hence, no conclusion follows.

22. (a)  $T \$ F \rightarrow T = F$

$$F \# G \rightarrow F \geq G$$

$$G @ H \rightarrow G < H$$

$$H \% R \rightarrow H \geq R$$

On combining these statements :

$$T = F \geq G < H \geq R$$

**Conclusions :**

I.  $T \% G \rightarrow T > G$  (False as  $T = F \geq G$  and  $T \geq G$ )

II.  $F @ H \rightarrow F < H$  (False as  $F \geq G < H$ . There is no relation between F and H)

III.  $R \% G \rightarrow R > G$  (False as  $G < H \geq R$ . There is no direct relation between R and G)

Hence, no conclusion follows.

23. (b)  $C @ D \rightarrow C < D$

$$D \# C \rightarrow D \geq C$$

$$F @ C \rightarrow F < C$$

$$F \$ G \rightarrow F = G$$

On combining these statements :

$$C < D \geq E > F = G$$

**Conclusions :**

I.  $C \% D \rightarrow C > E$  (False as  $C < D \geq E$ . There is no relation between C and D)

II.  $G @ D \rightarrow G < D$  (True as  $D \geq D > F = G$ )

III.  $D \% G \rightarrow E > G$  (True as  $D > F = G$ )

Hence, both conclusion II and III follows.

24. (c) Rahul speaks louder is coded as '6ca 7ka 8ud'.

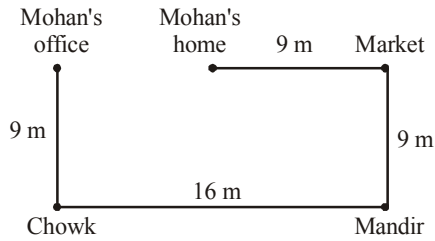
Drama speaks truth is coded as '4vm 8ud 5ht'.

Rahul played Drama is coded as '2ck 6ca 4vm'.

Truth louder go is coded as '3pm 5ht 7ka'.

From the common explanation, we get that the code for go is '3pm'.

25. (b) From the given image it is clear that chowk is in south-west of Mohan's home.



26. (b)  $P^+$   
 $\downarrow$   
 $N^- \text{---} Q^+$   
 $\downarrow$   
 $M^+$

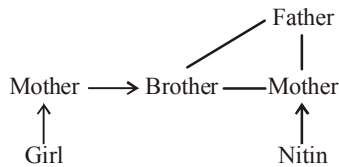
For  $M^+$  being nephew of  $Q$ ,  $M$  must be a son of  $Q$ 's sister  $N$ . Therefore, only the symbol of '-' will come in the place of question mark.

27. (e)  $Q^+$   $T$   
 $\downarrow$   $\diagdown$   $\downarrow$   
 $P^+$   $R^- \leftrightarrow S^+$

It's clear from the family tree that no option is satisfying the relationship and hence 'None is true'.

Hence, the option (e) is correct.

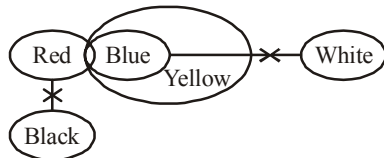
28. (c) Only son of Nitin's mother's father - Nitin's maternal uncle.



So, the girl's maternal uncle is Nitin's maternal uncle.

Thus, the girl's mother is Nitin's aunt.

29. (c) Only II is sufficient to answer the question.  
 Statement II :



30. (d) And I, II and III are sufficient to answer the question.  
 Statement I, II and III :

W P - X - A - - Z Q V U T R ↓ South

There are 14 men standing in the line.

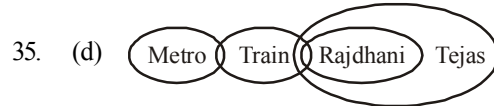
31. (b) Statement I and III :

7	G
6	A
5	C
4	F
3	D
2	B
1	E

32. (e) Three, 3 is preceded by 'U', 8 is preceded by 'A' and 9 is preceded by 'E'.

33. (d) 8; the seventh element from left is 3 and 2nd element to the right of 3 is 8.

34. (c) Neither conclusion I nor II is true; None of the conclusions gives a valid reason for the statement to be correct.



Sol. (37-39) :

Order of Weight	Height
↑ Anu	Geeta ↓
Radha	Radha
Payal	Priya
Priya	Payal
Geeta	Deepa
Jyoti	Anu
Deepa	Jyoti ↓

37. (d) 38. (e) 39. (b)

40. (d) PLANTATION

3rd - A

7th - T

9th - O

So, none meaningful word could be formed.

41. (a) Total expenditure on rent = 24 months × \$500 = \$12000

Total expenditure on utilities = 24 months × \$350 = \$8400

Total expenditure on tuition fees = 4 semesters × \$25000

= \$100000

Thus total expenditure

= \$(12000 + 8400 + 100000) = \$120400

The bank paid 70% of this amount.

$$\therefore \text{Amount paid by the bank} = \frac{70}{100} \times 120400 = \$84280$$

42. (c) Total expenditure on rent = 24 months × \$500 = \$12000

Total expenditure on utilities = 24 months × \$350 = \$8400

Total expenditure on tuition fees = 4 semesters × \$25000

= \$100000

Thus total expenditure

= \$(12000 + 8400 + 100000) = \$120400

The bank paid 70% of this amount.

$$\therefore \text{Amount paid by the bank} = \frac{70}{100} \times 120400 = \$84280$$

$$\text{Simple interest} = \frac{84280 \times 2 \times 10}{100} = \$16856.$$

43. (c) Total annual expenditure on rent

= 12 months × \$500 = \$6000

Total annual expenditure on utilities

= 12 months × \$350 = \$4200

Clearly the amount spent on utilities is less than the amount spent on rent.

- $\therefore$  Required percentage  
 $= \left[ \frac{6000 - 4200}{6000} \right] \times 100 = \frac{1800 \times 100}{6000} = 30\%$ .
44. (e) The salary earned during internship =  $4 \times 13000 = \$52000$   
 Total expenditure on rent in 4 months  
 $= 4 \times \$500 = \$2,000$   
 Total expenditure on utilities in 4 months  
 $= 4 \times \$350 = \$1400$   
 Total expense =  $\$(2000 + 1400) = \$3400$ .  
 $\therefore$  Required percentage  
 $= \frac{3400}{52000} \times 100 = \frac{340}{52} = 6.53\%$ .
45. (a) Per month rent = \$500  
 Utilities cost per month = \$350  
 Total saving per month =  $\$500 + \$350 = \$850$   
 Total saving in 7 months =  $7 \times 850 = \$5950$
46. (b) Average number of candidates passed from all institutions  
 $= \frac{1}{7} \left[ 1300 \times \frac{60}{100} + 1400 \times \frac{50}{100} + 700 \times \frac{80}{100} \right.$   
 $\left. + 1200 \times \frac{50}{100} + 1500 \times \frac{60}{100} + 600 \times \frac{90}{100} + 1100 \times \frac{80}{100} \right]$   
 $= \frac{1}{7} [780 + 700 + 560 + 600 + 900 + 540 + 880] \approx 708$ .
47. (e) Number of students appeared from college Q, R, S and U =  $1400 + 700 + 1200 + 600 = 3900$ .  
 Number of students passed from college P, T and V  
 $= 1300 \times \frac{60}{100} + 1500 \times \frac{60}{100} + 1100 \times \frac{80}{100} = 2560$ .  
 $\therefore$  Difference in number of students  
 $= 3900 - 2560 = 1340$ .
48. (a) Number of candidates passed from R and T together  
 $= 700 \times \frac{80}{100} + 1500 \times \frac{60}{100} = 1460$ .  
 Number of candidates passed from P and V together  
 $= 1300 \times \frac{60}{100} + 1100 \times \frac{80}{100} = 1660$ .  
 $\therefore$  Required percent =  $\frac{1460}{1660} \times 100 = 88\%$ .
49. (c) Difference between appeared candidates and passed candidates from  
 College P:  $1300 \times \frac{40}{100} = 520$   
 College Q:  $1400 \times \frac{50}{100} = 700$  (Maximum)  
 College R:  $700 \times \frac{20}{100} = 140$   
 College S:  $1200 \times \frac{50}{100} = 600$

$$\text{College T: } 1500 \times \frac{40}{100} = 600$$

$$\text{College U: } 600 \times \frac{10}{100} = 60 \quad (\text{Minimum})$$

$$\text{College V: } 1100 \times \frac{20}{100} = 220$$

50. (d) Number of candidates failed from college Q  
 $= 1400 \times \frac{50}{100} = 700$

Number of candidates appeared from college U = 600

$$\therefore \text{ Required ratio} = \frac{700}{600} = 7 : 6$$

51. (d)  $711 + 8 = 719$

$$719 + 16 = 735$$

$$735 + 32 = 767$$

$$767 + 64 = 831$$

$$831 + 128 = \mathbf{959}$$

52. (c)  $7^2 \times 5 = 245$

$$8^2 \times 6 = 384$$

$$9^2 \times 7 = 567$$

$$10^2 \times 8 = \mathbf{800}$$

$$11^2 \times 9 = 1089$$

$$12^2 \times 10 = 1440$$

53. (e)  $2755 - 9 \times 14 = 2629$

$$2629 - 10 \times 15 = 2479$$

$$2479 - 11 \times 16 = \mathbf{2303}$$

$$2303 - 12 \times 17 = 2099$$

$$2099 - 13 \times 18 = 1865$$

54. (a)  $29 + 3^2 = 38$

$$38 - 4^3 = -26$$

$$-26 + 5^2 = -1$$

$$-1 - 6^3 = -217$$

$$-217 + 7^2 = -168$$

55. (d)  $25^2 + 7 = 632$

$$24^2 + 6 = 582$$

$$23^2 + 5 = 534$$

$$22^2 + 4 = 488$$

$$21^2 + 3 = 444$$

$$20^2 + 2 = 402$$

56. (c) For profit to be maximum, the derivative of  $p$  with reference to  $x$  must be 0 and hence

$$\frac{d(250x - 5x^2)}{dx} = 0 \Rightarrow 250 - 10x = 0$$

$$\text{So, } x = 25$$

Now  $p$  for  $x = 25$  is

$$250(25) - 5(25)^2 = \text{Rs. } 3125.$$

So, number of boys = 25 and overall profit is Rs. 3125.

57. (d) We know that,

$$\text{Cost price} = \left( \frac{100}{100 - \text{Loss}\%} \right) \times \text{SP}$$

$$= \frac{100}{100 - 40} \times 8760 = \frac{100}{60} \times 8760 = \text{₹}14,600.$$

58. (d) Original cost of a four wheeler and Flat  
 $= 4,00,000 + 8,00,000 = \text{Rs. } 12,00,000$   
 New cost of four wheeler  
 $= 400000 \times 0.85 \times 0.87 \times 0.89 = \text{Rs. } 2,63,262$   
 New cost of Flat  
 $= 800000 \times 1.1 \times 1.12 \times 1.14 = \text{Rs. } 11,23,584$   
 $\therefore$  Total new cost = Rs. 13,86,846  
 $\therefore$  Change = increase of Rs. (13,86,846 – 12,00,000)  
 $= \text{Rs. } 1,86,846$ .
59. (e) Combined work done by Sona and Gaurav in 3 + 7 days (3 initial days and last 7 days)  $= \frac{10}{24} + \frac{10}{40} = \frac{2}{3}$
- $\therefore$  Remaining work  $= 1 - \frac{2}{3} = \frac{1}{3}$
- Pintu works for  $\frac{1}{3} \times 30 = 10$  days.
60. (c) Let the distance be  $x$ , then  
 (Time taken to walk  $x$  km) + (Time taken to ride  $x$  km) = 27 min.  
 $\Rightarrow$  (Time taken to walk  $2x$  km) + (Time taken to ride  $2x$  km) = 54 min.  
 But, time taken to walk  $2x$  km = 35 min.  
 So, time to ride  $2x$  km = (54 – 35) min = 19 min.
61. (b) Given that principal  $P = \text{Rs. } 10,277$   
 Rate  $R = 13\%$   
 Number of installments  
 $\Rightarrow$  Value of each installment
- $$= \frac{P}{\left(\frac{100}{100+R}\right) + \left(\frac{100}{100+R}\right)^2 + \left(\frac{100}{100+R}\right)^3}$$
- $$= \frac{10277}{\left(\frac{100}{100+13}\right) + \left(\frac{100}{100+13}\right)^2 + \left(\frac{100}{100+13}\right)^3}$$
- $$= \frac{10277}{2.39} = \text{Rs. } 4300.$$
62. (e) Sum  $= \frac{\text{Difference} \times 100^2}{r^2}$
- Given,  
 Sum (Amount) = 10000, Difference = 81,  $r = ?$
- $$10000 = \frac{81 \times 100^2}{r^2} \Rightarrow r^2 = \frac{81 \times 100^2}{10000}$$
- $$\Rightarrow r^2 = 81 \Rightarrow r = 9\%.$$
63. (a) The total no. of letters in the word 'REGULAR' is 7 where R appears twice.
- Required no. of ways  $= \frac{7!}{2!} = 7 \times 6 \times 5 \times 4 \times 3 = 2520$ .
64. (e) When 4 coins are tossed simultaneously, the total number of outcomes is  $2^4 = 16$ .  
 At least 3 heads implies that one can get either 3 heads or 4 heads.

- One can get 3 heads in  ${}^4C_3 = 4$  ways  
 $\therefore$  Total number of favourable outcomes = 4
- So, probability of getting exact 3 heads is  $= \frac{4}{16} = \frac{1}{4}$
65. (b) Sales tax on the watch sold at Rs. 300  
 $= \frac{300 \times 8}{100} = 24$
- Sales tax on the watch sold at Rs. 5400  $= \frac{5400 \times 9}{100} = 486$
- Total tax = 24 + 486 = 510
- Percentage sales tax  $= \frac{510}{5700} \times 100 = \frac{510}{57} = 8\frac{54}{57}\%$ .
66. (e) Male employees in Management  
 $= \frac{7}{12}$  of 12% of total employees  
 Male employees in Accounts  
 $= \frac{2}{3}$  of 6% of total employees
- $\therefore$  Ratio  $= \frac{\frac{7}{12} \times 12\% \times \text{total employees}}{\frac{2}{3} \times 6\% \times \text{total employees}}$
- $$= \frac{14}{12} \times \frac{3}{2} = 7 : 4.$$
67. (b) Required difference =  $3000 \times (18 - 14)\%$   
 $= \frac{3000 \times 4}{100} = 120$ .
68. (a) Male employees in HR  $= \frac{7}{15} \times 15\%$  of 3000  
 $= \frac{7}{15} \times \frac{15}{100} \times 3000 = 210$ .
- Male employees in Marketing  $= \frac{5}{8} \times 16\%$  of 3000  
 $= \frac{5}{8} \times \frac{16}{100} \times 3000 = 300$ .
- Female employees in HR  $= \frac{8}{15} \times 15\%$  of 3000  
 $= \frac{8}{15} \times \frac{15}{100} \times 3000 = 240$
- Female employees in Marketing  $= \frac{3}{8} \times 16\%$  of 3000  
 $= \frac{3}{8} \times \frac{16}{100} \times 3000 = 180$ .
- Total no. of males in HR and Marketing = (210 + 300) = 510.  
 Total no. of females in HR and Marketing = (240 + 180) = 420.
- Required ratio  $= \frac{510}{420} = \frac{51}{42} = 17 : 14$ .

69. (e) Total female employees in Printing

$$= \frac{3}{5} \text{ of } 8\% \text{ of total employees}$$

$$= \frac{3}{5} \times \frac{8}{100} \times 3000 = 144.$$

70. (d) Difference between male and female in Social Media department

$$= \frac{6}{11} \times \frac{11}{100} \times 3000 - \frac{5}{11} \times \frac{11}{100} \times 3000$$

$$= 180 - 150 = 30.$$

71. (c) Number of Laptop manufactured during 2007 to 2012 = 250 + 200 + 230 + 245 + 260 + 275 = 1460.

$$\text{Number of Macbook manufactured during 2007 to 2012} \\ = 140 + 155 + 160 + 175 + 185 + 220 = 1035$$

$$\text{Number of Desktop manufactured during 2007 to 2012} \\ = 115 + 120 + 135 + 125 + 130 + 120 = 745.$$

Thus, Laptop is manufactured in maximum number.

72. (e) Production of Laptop in 2007 = 250 and in 2012 = 275

$$\therefore \% \text{ increase} = \frac{275 - 250}{250} \times 100 = 10\%.$$

73. (b) The table shows that the production of Macbook increases continuously over the years.

74. (b) Production of Desktop in 2011 = 130  
Production of Laptop in 2010 = 245

$$\text{Required \%} = \frac{130 \times 100}{245} = 53.06\%.$$

75. (d) Production of Macbook in 2008 = 155 and that in 2010 = 175.

$$\therefore \% \text{ increase} = \frac{175 - 155}{155} \times 100 = \frac{20}{155} \times 100 = 12.9\%.$$

76. (e) Let the two-digit number =  $ab = 10a + b$

From the statement I, we can conclude that,  
 $a + b = 7$  ... (1)

From the statement II, we can conclude that,  
 $10b + a = 10a + b + 45$

$$9(b - a) = 45 \quad \dots (2)$$

From Eqn. (1) and (2),

$$a + b = 7$$

$$b - a = 5$$

$$\hline 2b = 12$$

$$\Rightarrow b = 6, \therefore a = 1.$$

So, number is 16.

Therefore, the data in both the statements I and II together is necessary to answer the question.

77. (e) From the statement I, the efficiency of pipe  $x$  per hour

$$= \frac{2300}{11} \text{ litres per hour}$$

From the statement II, the efficiency of pipe  $y$ .

$$2.5 \times 60 = 150 \text{ litres/hr}$$

Time required to fill 2300 litres tank

$$= \frac{2300}{150} \text{ hr.} = 15.33 \text{ hr.}$$

Time required to fill the tank together

$$= \frac{11 \times 15.33}{11 + 15.33} = 6.4 \text{ hr.}$$

The time it will take to fill 2300 litres of water = more than 5 hours, therefore answer will be no.

Therefore, the data in both the statements I and II together is necessary to answer the question.

78. (e) Let the speed of Lokesh =  $m$  km per hour

Then the speed of Rohit =  $n$  km per hour

From the statement I,  $n = m + 12$

	Starting	End
Speed	10	13
Time	13	10

$\therefore 30\% \uparrow = 10 \rightarrow 13$

3 unit — 3 hrs.

$\therefore$  1 unit — 1 hr.

$\therefore$  13 unit — 13 hrs.

From the question,  $\frac{390}{13} = 30 \text{ Km/hr.}$

From the statement II, so speed of Rohit is 30 km per hour. By combining both the statement, we can get the value of  $m$  as well which is 18 km per hour.

So Lokesh will take 7 hours to cover 126 km at a speed of 18 km per hour.

So, data in both the statements I and II together is necessary to answer the question.

79. (b) From the statement I,  $AB = 40 \text{ cm}$

$BC = 9 \text{ cm}$  but we could not conclude which of the angle is right angle therefore we could not get unique answer only by the statement I.

From the statement II, let the sides of the triangle =  $a$ ,  $b$  and  $c$  where  $c$  is hypotenuse.

$$\text{Then, Inradius} = \frac{a + b - c}{2} = 4$$

And, circumradius

$$= \frac{\text{hypotenuse}}{2} = \frac{c}{2} = 20.5 \Rightarrow c = 41 \text{ cm}$$

$$a + b = 49$$

By the Pythagorean theorem we can calculate the value of  $a$  and  $b$ , after that we can conclude the area.

Therefore, the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

80. (d) From the statement I,

$$17m + 5n = 145 \quad \dots (1)$$

$$\text{From the statement II,} \\ n = 29 - 3.4m \quad \dots (2)$$

$$\text{Multiply by 5 in eqn. (2)} \\ 5n + 17m = 145 \quad \dots (3)$$

Here, both the equations are same it means we have two variable and one equation therefore we could not conclude the value of two variable from one equation.

Therefore, the data in both the statements I and II is not sufficient to answer the question.

81. (c) 82. (a) 83. (a) 84. (b) 85. (a) 86. (d)  
87. (b) 88. (b) 89. (a) 90. (c) 91. (c) 92. (d)

93. (a) 94. (d) 95. (a) 96. (b) 97. (a) 98. (d)  
 99. (e) 100. (d) 101. (d) 102. (a) 103. (d) 104. (a)  
 105. (c) 106. (d)

107. (e) Given number 421 is of base 10 which means it is a decimal number. For decimal to binary conversion divide 421 by 2. Since we are dividing by 2, when the dividend is even the binary remainder will be 0, and when the dividend is odd the binary remainder will be 1.

2	421	1
2	210	0
2	105	1
2	52	0
2	26	0
2	13	1
2	6	0
2	3	1
2	1	

Hence,  $(421)_{10} = (110100101)_2$

108. (a) BSODs appear when Microsoft Windows encounters a critical error it can't recover from, requiring a reboot and possibly resulting in lost work. It stands for blue screen of death. Blue screens are generally caused by problems with your computer's hardware or issues with its hardware driver software. A blue screen occurs when Windows encounters a "STOP Error." This critical failure causes Windows to crash and stop working.
109. (a) 110. (a) 111. (e) 112. (a) 113. (b) 114. (d)  
 115. (a) 116. (a) 117. (b) 118. (c) 119. (c) 120. (c)
121. (b) The 15th meeting of Group of Twenty (G20) held from 21-22 November 2020. Originally scheduled to take place in Riyadh, Saudi Arabia, the event held virtually, as per a 28 September announcement. This event marks the first time that Saudi Arabia will hold the Presidency of the G20. The Saudi Arabian Presidency has selected the theme, 'Realizing Opportunities of the 21st Century For All.'
122. (a) This International Mountain Day is celebrated on December 11 by United Nations and several other international organisations. It is important to conserve mountains as they are home to 15% of world population. This year the International Mountain Day is being celebrated under the theme 'Mountain Biodiversity'.
123. (a) A book titled 'A Song of India' authored by Ruskin Bond. It was released on July 20, 2020. This book will mark the 70th year of the author's literary career.
124. (e) The budget 2020-21 is woven around three prominent Themes-aspirational India in which all sections of the society seek a better standard of living, with access to health, education, and better job; Two, economic development for all, to ensure higher productivity and greater efficiency. Three, ours shall be a caring society that is both humane and compassionate society.
125. (c) The 2019 ICC Cricket World Cup was the 12th Cricket World Cup, a quadrennial One Day International (ODI) cricket tournament contested by men's national teams and organised by the International Cricket Council (ICC). England were declared winners of the Cricket

World Cup 2019 after a tied match and Super Over against New Zealand on account of the superior number of boundaries hit by the hosts. The captain of the winning team was Eoin Morgan.

126. (d) The loan limit on the Mudra Loan is ₹ 10 Lakh which is set according to three schemes. The schemes are Shishu- for loans up to ₹ 50,000, Kishore- for loans exceeding ₹ 50,000 to up to ₹ 5 Lakh, and Tarun- for loans amounting to ₹ 5 Lakh to 10 lakhs.
127. (e) World Population Day is an annual event, observed on July 11 every year, which seeks to raise awareness of global population issues.
128. (d) Allahabad Bank, one of the oldest public sector banks in the country, was merged with the Indian Bank on 15<sup>th</sup> February 2021. After Allahabad Bank's merger with the Indian Bank, new rules have come into force from 16<sup>th</sup> February.
129. (a) Capital Small Finance Bank Ltd is the country's first small finance bank opened in Jalandhar. It is first among the 10 entities that were given the in-principle approval by the Reserve Bank of India (RBI) to set up small finance banks.
130. (d) Digital Quality of Life (DQL) Index 2020 has been released by SurfShark, an online privacy solutions provider. 7 out of 10 countries with the highest DQL are in Europe, with Denmark leading among 85 countries. According to it, India ranks among the lowest in the world in terms of Internet quality.
131. (a) Ruskin Bond has written the book 'How to be a writer'. Ruskin Bond is an Indian author of British descent. He lives with his adopted family in Landour, Mussoorie, India. The Indian Council for Child Education has recognised his role in the growth of children's literature in India.
132. (e) The value of Special Drawing Right (SDR) is determined by the basket of 5 currencies. The currencies are, US Dollar, Japanese Yen, British Pound, Chinese Yuan and Euro.
133. (c) The IMF decided that the Renminbi (Chinese yuan) would be added to the SDR basket since October 1, 2016. Since then SDR basket consists of the following five currencies: U.S. dollar 41.73%, Euro 30.93%, Renminbi (Chinese yuan) 10.92%, Japanese yen 8.33%, British pound 8.09%.
134. (b)
135. (c) Since this right is not absolute, it can be curtailed by legislation by parliament. During emergency, Article 19 is eclipsed by the superior right of the State to enact laws abrogating freedoms of a citizen (under Article 358). The suspension of Article 19 continues so long as the proclamation of such emergency is in operation and automatically revives when the proclamation ceases to operate.
136. (a) Special provisions have been in Part XVI of the Indian constitution for the betterment of the Scheduled Castes and Scheduled Tribes, Other Backward Classes and Anglo Indians. These provisions have the reservation of the jobs, legislatures, etc. for the SCs, STs and OBCs.
137. (a) UNICEF is an acronym for the United Nations International Children Emergency Fund. It is headquartered



- in New York City, United States. The United Nations General Assembly formed it in 1946. During this time, UNICEF used to be called the United Nations Children Fund.
138. (e) National Technology Day is celebrated every year on May 11 to highlight the achievements of engineers and scientists in the field of technology and science.
139. (c) Mahatma Gandhi Employment Guarantee Act 2005 (or, NREGA No 42, later renamed as the "Mahatma Gandhi National Rural Employment Guarantee Act" or MGNREGA), is an Indian labour law and social security measure that aims to guarantee the 'right to work'. This act was passed in September 2005 and came into force on 2<sup>nd</sup> February 2006.
140. (e) Jakarta has functioned as the national capital since Indonesia began to realize its independence in late 1949.
141. (e) Virat Kohli, who had scored 20,396 runs in all international cricket during the time period, which is more than anyone else, was also part of team India that won the ICC CWC 2011 and ICC Champions Trophy 2013. He was also named ICC Cricketer of the Year in both 2017 and 2018, so it was no surprise that he emerged as the clear jury favourite with winning the Sir Garfield Sobers Award for ICC Male Cricketer of the Decade.
142. (d) Minimum Support Price (MSP) is a form of market intervention by the Government of India to insure agricultural producers against any sharp fall in farm prices. The minimum support prices are announced by the Government of India at the beginning of the sowing season for certain crops on the basis of the recommendations of the Commission for Agricultural Costs and Prices (CACP).
143. (c) "IPO" stands for "initial public offering." When the news media report that a company is "going public," this means that company is making an initial public offering. This means that the company is offering its shares for sale to the public for the first time.
144. (c) 'RTGS' or Real Time Gross Settlement is a fund transfer method through which money is sent in 'real time' basis without any delays. This electronic fund transfer system allows the money sent by the remitter to immediately reach the payee/beneficiary as and when the money transfer transaction is initiated.
145. (b) Sukanya Samriddhi Yojana is a small deposit scheme of the Government of India meant exclusively for a girl child and is launched as a part of Beti Bachao Beti Padhao Campaign. The scheme is meant to meet the education and marriage expenses of a girl child. The scheme was launched by Prime Minister Narendra Modi on 22 January 2015 in Panipat, Haryana. The accounts can be opened at any India Post office or a branch of some authorised commercial banks. Initially, the interest rate was set at 9.1% but later revised to 9.2% in late March 2015 for FY2015-16.
146. (d) A Non-Banking Financial Company (NBFC) is a company registered under the Companies Act, 1956 engaged in the business of loans and advances, acquisition of shares/stocks/bonds/debentures/securities issued by Government or local authority or other marketable securities of a like nature, leasing, hire-purchase, insurance business, chit business but does not include any institution whose principal business is that of agriculture activity, industrial activity, purchase or sale of any goods (other than securities) or providing any services and sale/purchase/construction of immovable property.
147. (e) NABARD stands for National Bank for Agriculture and Rural Development. This bank deals with matters concerning policy, planning and operations in the field of credit for agriculture and other economic activities in rural areas in India. Its headquarters is located in Mumbai
148. (e) Priority Sector includes the categories such as Agriculture, Micro, Small and Medium Enterprises (MSME), Export Credit, Education, Housing, Social Infrastructure and Renewable Energy.
149. (c) Eastern Dedicated Freight Corridor (EDFC) is a freight specific railway under construction in northern to eastern India by the Indian Railways. The railway will run between Ludhiana in Punjab and Dankuni (near Kolkata).
150. (a) Loans to individuals for educational purposes including vocational courses upto ₹ 1 million irrespective of the sanctioned amount are eligible for classification under priority sector.
151. (c) The activities covered under Agriculture are classified under three sub-categories viz. Farm credit, Agriculture infrastructure and Ancillary activities.
152. (e) Some Key Features of Delhi School Bag Policy includes the weight of the school bag of students between Class 1 and Class 10 should not be more than 10% of their body weight, use textbooks prescribed by NCERT, SCERT and CBSE only, to promote holistic development of students through participation in games, art and culture, sports and other creative activities and the students should be practiced with the habit of reading library books.
153. (e) The Statue of Liberty, 'Liberty Enlightening the World,' was a gift of friendship from the people of France to the people of the United States and was dedicated on October 28, 1886, designated as a National Monument in 1924 and restored for her centennial on July 4, 1986.
154. (b) The Central Vigilance Commission (CVC) has constituted Advisory Board for Banking Frauds (ABBF) headed by former Vigilance Commissioner T M Bhasin to examine bank fraud over Rs 50 crore and recommend action.
155. (a) World's first cellular system was developed by Nippon Telephone and Telegraph (NTT). The Nippon Telegraph and Telephone commonly known as NTT, is a Japanese telecommunications company headquartered in Tokyo, Japan.
156. (a) The Reserve Bank of India (RBI) has released the National Strategy for Financial Education (NSFE) for the next five years (2020-2025). Under this, the central bank has recommended a '5-Core Actions' approach for dissemination of financial education in the country.
157. (c) A Hockey competition is awarded the "Stanley Cup".
158. (b) French Open is the name of the Grand Slam tennis tournament played on clay courts. The Grand Slam tournaments, also called majors, are the four most important annual tennis events. The Grand Slam itinerary consists of the Australian Open in mid-January, the French Open (also known as Roland Garros) from around late May to early June, Wimbledon in June-July, and the US Open in August-September. Each tournament is played over a two-week period. The Australian and the United States

- tournaments are played on hard courts, the French on clay, and Wimbledon on the grass. Wimbledon is the oldest, founded in 1877, followed by the US in 1881, the French in 1891, and the Australian in 1905.
159. (c) The total area of EEZ of India is estimated at 2.02 million km<sup>2</sup> against its land area of about 3.2 million km<sup>2</sup> comprising of 0.86 million km<sup>2</sup> on the west coast, 0.56 million km<sup>2</sup> on the east coast and 0.60 million km<sup>2</sup> around Andaman and Nicobar islands.
160. (e) Golf player Vijay Singh is an Indo-Fijian belongs to Fiji. He was born in 1963, who was number 1 in the Official World Golf Ranking for 32 weeks in 2004 and 2005.
161. (d) Refer to the first paragraph, the hint can be drawn from the lines,  
Tightening the noose around fraudsters rigging the Goods and Services Tax (GST) regime, the government has roped in the Income tax department to tap illicit incomes as part of a crackdown against 7,000 fraud companies, identified using data analytics tools, Finance Secretary Ajay Bhushan Pandey said. Any income traceable to the use of fake bills and other GST frauds shall be considered concealed income and attract severe penalties so direct tax collections may also get a leg-up while better compliance pushed GST collections to a record high of ₹1.15 lakh crore in December 2020.  
All I, II, and III can be justified and inferred from the above quoted lines. Hence, **option (d)** is the right answer choice.
162. (a) Refer to the second paragraph, the hint can be drawn from the lines,  
I think there is now a sense among the fringe elements, who were trying to game the system that it is not going to be so easy to continue in that fashion as the times have changed. Here, (a) justifies the answer to 'fringe elements' as per the above quoted lines. Hence, **option (a)** is the right answer choice.
163. (c) Refer to the second paragraph, the hint can be drawn from the lines,  
"GST collections in December show the economy is undoubtedly on the fast recovery track."  
Here, only statement given in (c) is justified with the above quoted lines. Hence, **option (c)** is the right answer choice.
164. (c) Refer to the third paragraph, the hint can be drawn from the lines,  
"Over the past one and a half months, 'concerted action' has been taken to ensure compliance in the GST net, pooling data with States, the Income Tax (IT) and Customs departments, banks and other agencies, the Finance Secretary said. "So we are today in a position to undertake data analytics to pinpoint those who are trying to game the system and take targeted action against such tax frauds."  
Here, both statements mentioned in (a) and (b) are justified with the above lines. Hence, **option (c)** is the right answer choice.
165. (e) Here, refer to the below lines, the hint can be drawn from, Statement (I): "Most of them had to spend 40-50 days in jail, because the crime was so grave that the courts were not inclined to give them bail.  
Statement (II): I think there is now a sense among the fringe elements, who were trying to game the system that it is not going to be so easy to continue in that fashion as the times have changed.  
Statement (III): This co-ordinated action has also helped bolster Customs revenues, which crossed the ₹16,000 crore mark in December, 93% higher than the same period a year ago. All the (I), (II), and (III) can be inferred as per the lines given in the passage quoted above. Hence, **option (e)** is the right answer choice.
166. (b) Bolster: Support or Strengthen  
Augment: make (something) greater by adding to it; increase. Hence, **option (b)** is the right answer choice.  
Embroid: force into some kind of situation or course of action  
Sententious: abounding in or given to pompous or aphoristic moralizing  
Vitiate: make imperfect  
Unassuming: not arrogant
167. (b) "evade" can fit in the blank (A) to make the sentence grammatically and contextually correct.  
Evade: escape or avoid (someone or something), especially by guile or trickery.  
Quaff: swallow hurriedly or greedily or in one draught  
Adage: a condensed but memorable saying embodying an important fact  
Maul: injure badly  
Trite: repeated too often; over-familiar through overuse
168. (e) Rope in: To persuade, entice, or enlist someone to do or participate in something. A noun or pronoun can be used between "rope" and "in."  
- to cause someone to get involved in some project.  
Hence, **option (e)** is the right answer choice.
169. (d) The correct sequence of the given sentences is DEBACF.  
Hence, **option (d)** is the right answer choice.
170. (c) The correct sequence of the given sentences is DEBACF.  
Hence, **option (c)** is the right answer choice.
171. (b) The correct sequence of the given sentences is DEBACF.  
Hence, **option (b)** is the right answer choice.
172. (b) The correct sequence of the given sentences is DEBACF.  
Hence, **option (b)** is the right answer choice.
173. (d) The correct sequence of the given sentences is DEBACF.  
Hence, **option (d)** is the right answer choice.
174. (a) The error is in (1) part of the given sentence.  
Chick: a young bird  
Chic: elegant and stylish  
Hence, **option (a)** is the right answer choice.
175. (c) The error lies in part (3). "were" will be used instead of "was". Here, "heartland states" and "crop losses" are plural in number so plural verb will be used here. Hence, **option (c)** is the right answer choice.
176. (e) The sentence is grammatically and contextually correct. Since, there is no error in the given sentence; **option (e)** is the right answer choice.
177. (b) The error is in part (2). The comparative degree of "good" should be used here i.e. "better" to make the sentence grammatically and contextually correct. Hence, **option (b)** is the right answer choice.

178. (d) The error is in part (4). Present perfect tense has been used here and with "have" we use "third or past participle" form of verb i.e. it should be "led" and not "lead". Hence, **option (d)** is the right answer choice.
179. (d) A-F and C-E can be matched so that the sentences formed are both meaningful and grammatically correct. The sentences thus formed are:  
A-F: The air hostess' PPE uniform makes him feel that he is flying to space  
C-E: Urdu was considered the language of poetry, but now people associate it with terrorism.  
Hence, **option (d)** is the right answer choice.
180. (b)
181. (a) B-E and C-F can be matched so that the sentences formed are both meaningful and grammatically correct. The sentences thus formed are:  
B-E: The Trump administration certainly did achieve some of the outlined objectives, particularly in expanding security cooperation with India  
C-F: The Delhi government will provide free COVID-19 vaccination to residents of the Capital if the Centre fails to do so.  
Hence, **option (a)** is the right answer choice.
182. (e) A-E and C-F can be matched so that the sentences formed are both meaningful and grammatically correct. The sentences thus formed are:  
A-E: The Board said the increased ammonia levels have impaired its water treatment plants and a drinking water crisis looms large in Delhi.  
C-F: America's acrimony towards Cuba has its roots in the Cold War period.  
Hence, **option (e)** is the right answer choice.
183. (e) A-E, B-F and C-D can be matched so that the sentences formed are both meaningful and grammatically correct. The sentences thus formed are:  
A-E: It is important to have your presence in the digital space to increase your revenue  
B-F: Once the papers are evaluated by the teachers, answer keys will be uploaded  
C-D: To thwart any such nefarious activities, a vigorous exercise has been carried out by the BSF troops all along the border.  
Hence, **option (e)** is the right answer choice.
184. (e) "Compromise" will fill the blank appropriately. Hence, **option (e)** is the right answer choice.
185. (c) "Threaten" will fill the blank appropriately. Hence, **option (c)** is the right answer choice.
186. (a) "Bequest" will fill the blank appropriately. Hence, **option (a)** is the right answer choice.
187. (d) "Consume" will fill the blank appropriately. Hence, **option (d)** is the right answer choice.
188. (b) "Extraction" will fill the blank appropriately. Hence, **option (b)** is the right answer choice.
189. (e) In all 1, 2, and 3 sentences, the given word "disseminate" fits contextually to convey a logical meaning. Hence, **option (e)** is the right answer choice.  
Disseminate: Spread (something, especially information) widely.  
Spread, Circulate, Distribute, Disperse
190. (c)
191. (e) In all 1, 2, and 3 sentences, the given word "efficacy" fits contextually to convey a logical meaning. Hence, **option (e)** is the right answer choice.  
Efficacy: The ability to produce a desired or intended result.  
Effectiveness, Success
192. (c) Stringent: Very strict.  
Hard-line, Inflexible, Rigid, Rigorous (synonym)  
Lax (antonym): not having high standards; not strict  
Hence, **option (c)** is the right answer choice.
193. (e) Deter: To make somebody decide not to do something, especially by telling him/her that it would have bad results.  
Discourage, Dissuade, Inhibit  
Dissuade (synonym): to persuade somebody not to do something  
Encourage (antonym): to give hope, support or confidence to somebody  
Hence, **option (e)** is the right answer choice.
194. (b) Captivate: to attract and hold somebody's attention  
Disillusion: to destroy somebody's belief in or good opinion of somebody/something  
Hence, **option (b)** is the right answer choice.
195. (d) Acrimony: Angry and bitter feelings or words.  
Bitterness, Rancour, Resentment  
Hence, **option (d)** is the right answer choice.
196. (a) Sabotage: Deliberately destroy, damage, or obstruct (something), especially for political or military advantage.  
Wreck, Vandalize, Destroy, Obstruct  
Hence, **option (a)** is the right answer choice.
197. (d) Muster: A formal gathering of troops, especially for inspection, display, or exercise.  
Assembly, Rally, Meeting, Convocation  
Hence, **option (d)** is the right answer choice.
198. (b) Perfunctory: An action carried out without real interest, feeling, or effort.  
Cursory, Desultory, Quick, Brief, Hasty  
Hence, **option (b)** is the right answer choice.
199. (c) Implicate: Show (someone) to be involved in a crime.  
Incriminate, Compromise, Involve, Connect, Embroil  
Hence, **option (c)** is the right answer choice.
200. (e) Tantamount: Equivalent in seriousness to; virtually the same as.  
As good as, On par with, Along the lines of  
Hence, **option (e)** is the right answer choice.
201. (b)
202. (e) जिलेट अमेरिका देश के कारोबारी थे।
203. (a) 204. (c) 205. (a)
206. (e) जिलेट को एक कंपनी में क्लर्क की नौकरी मिली थी।
207. (d) 208. (b) 209. (d) 210. (c) 211. (a) 212. (b)
213. (e) 214. (b) 215. (c) 216. (e) 217. (d) 218. (e)
219. (b) 220. (e) 221. (e) 222. (b) 223. (c) 224. (e)
225. (d) 226. (d) 227. (a) 228. (d) 229. (d) 230. (b)
231. (a) 232. (d) 233. (d) 234. (d) 235. (b) 236. (a)
237. (d) 238. (e) 239. (b) 240. (e)