

# IBPS CLERK (PRE) CWE-2019

## PREVIOUS YEAR PAPER

### WRITTEN EXAMINATION STRUCTURE

Sr. No.	Name of Tests (Objective)	No. of Questions	Maximum Marks	Allotted Time By IBPS
1.	English Language	30	30	20 minutes
2.	Numerical Ability	35	35	20 minutes
3.	Reasoning Ability	35	35	20 minutes
	<b>Total</b>	<b>100</b>	<b>100</b>	<b>60 minutes</b>

#### INSTRUCTIONS

- (1) All the sections are available in English only, and the time suggested above for each test is not for guidance, you have to follow the above mentioned time.
- (2) Do not use calculators, or any electronic medium for calculations. You may take a clean sheet of paper for rough work and all calculations must be performed manually by the candidate.
- (3) There will be penalty for wrong answer marked by you in the objective tests. There are five alternatives in every question of a test.
- (4) For each question for which a wrong answer has been given by you, 1/4 or 0.25 of the marks assigned to that question will be deducted as penalty. If a question is left blank, i.e. no answer is given by you, there will be no penalty for that question.
- (5) There will be a cut off for each section and an overall cut off as well. Hence, your aim should be to answer maximum number of attempts in all three sections.

TEST-I  
ENGLISH LANGUAGE

**Direction (Qs.1-5):** In each of these questions, a sentence has been divided into four parts denoted by (A), (B), (C) and (D). Read the sentence and find out if there is any grammatical error in it. The error, if any, will be in one part of the sentence. Select that part as your answer. If there is no error in the sentence, select 'No error' as your answer.

1. This idea, if initiates (A)/ in larger cities, (B)/ could be of great (C)/ help to the needy (D).  
(1) A                      (2) D                      (3) No error                      (4) C                      (5) B
2. Solar panels installed (A)/ over canals have (B)/ prevented loss of (C)/ water by evaporation (D).  
(1) A                      (2) D                      (3) C                      (4) No error                      (5) B
3. He could not avail (A)/ the discount as he booked (B)/ the tickets after (C)/ the due date (D).  
(1) D                      (2) No error                      (3) C                      (4) B                      (5) A
4. As per the new design, (A)/ all appliances inside (B)/ the building will (C)/ be power by solar energy (D).  
(1) A                      (2) D                      (3) No error                      (4) C                      (5) B
5. A person driven by (A)/ greed and envious loses (B)/ the ability to see (C)/ things as they are (D).  
(1) B                      (2) A                      (3) C                      (4) D                      (5) No error

**Direction (Qs.6 & 9):** In each of these questions, a sentence has been given and three words have been given in bold denoted by (A), (B) and (C). You have to decide the correct order of the three words (A), (B) and (C), to make the sentence grammatically and meaningfully correct without changing the meaning of the sentence and select the answer accordingly. If the sentence is correct as it is and no rearrangement is required, select 'No rearrangement required' as the answer.

6. To **promote (A)** village industries, products **manufactured (B)** by these have been exempted from **taxation (C)**.  
(1) No rearrangement required                      (2) ACB                      (3) BCA  
(4) CBA                      (5) BAC
7. There is a misconception that stubble **causes (A)** in the nearby areas **burning (B)** pollution in the city **during (C)** winter.  
(1) CAB                      (2) No rearrangement required                      (3) ACB  
(4) BAC                      (5) BCA
8. Dependence on **memory (A)** helps students sharpen their **analyse (B)** but doesn't teach them how to **textbooks (C)** facts.  
(1) CAB                      (2) No rearrangement required                      (3) CBA  
(4) BAC                      (5) ACB
9. Gandhi's innovative **through (A)** of teaching **methods (B)** imparting lessons **involved (C)** craft or practice.  
(1) ACB                      (2) BCA                      (3) BAC  
(4) CBA                      (5) No rearrangement required

**Direction (Qs.10-11):** Which of the following phrases given against the sentences can REPLACE the phrase given in bold in the sentence both grammatically and contextually without changing the meaning of the sentence? If none of the phrases given against the sentence can replace the phrase given in bold in the sentence, select "None can replace" as the answer.

10. As soon as **day breaks**, villagers gather around the trees and handpick the best fruit.

- (1) None can replace (2) sunrise (3) it dawn  
(4) sunlight appearing (5) it is dark

11. We have shared our findings, **along with** adequate proof, with the government.

- (1) in addition (2) combining by (3) without all  
(4) accompanied by (5) None can replace

**Direction (Qs.12-16):** Rearrange the given group of words (A), (B), (C), (D) and (E) in a proper sequence, so as to form a meaningful sentence. Select the combination which represents the correct sequence of the sentences as your answer. If none of the given combinations represents the correct sequence of the sentence, select "None of the given combinations is correct" as your answer.

12. (A) area collected single-use  
(B) useful household items  
(C) plastic waste and used  
(D) the residents of this  
(E) it to make several

- (1) BDCEA  
(2) CBEDA  
(3) DACEB  
(4) DBCEA  
(5) None of the given combinations is correct

13. (A) opportunity to allow free  
(B) time, the leader  
(C) unlike, most others of his  
(D) exchange of culture  
(E) viewed food as an

- (1) DEBAC  
(2) ACEDB  
(3) BCEDA  
(4) CBEAD  
(5) None of the given combinations is correct

14. (A) masses must be  
(B) educated and urban  
(C) of ethic and cleanliness  
(D) lacking a basic sense  
(E) blamed equally for

- (1) BAEDC  
(2) EDBAC  
(3) ADBCE  
(4) CDEAB  
(5) None of the given combinations is correct

15. (A) though the scheme  
(B) have a major impact on resource consumption  
(C) targets building 35 million  
(D) decade, this is going to  
(E) houses by his  
(1) DECAB  
(2) BCEDA  
(3) ADECB  
(4) ABEDC  
(5) None of the given combinations is correct
16. (A) gap between urban and rural communities by  
(B) on village life  
(C) of education widened the  
(D) not including lessons  
(E) the traditional system  
(1) CBDEA  
(2) BDCAE  
(3) ECADB  
(4) DEBAC  
(5) None of the given combinations is correct

**Direction (Qs.17-25):** Read the following passage carefully and answer the questions given below. Certain words/ phrases have been given in bold to help you locate them while answering some of the questions.

Gross Domestic Product (GDP) stands for the net value of all goods and services produced in a country. It is used to indicate the health of the economy in all countries of the world. A healthy GDP growth rate is a good sign as it \_\_\_\_\_ of increased employment and increased income. Also, businesses tend to invest more in a country where the GDP growth is high. Until, now economists included various factors to calculate GDP - agricultural production, output from factories, growth of service sector etc. However, environmental costs have not been a part of GDP calculation. **Addressing** this gap, a journal XYZ has published a new study that calculates GDP losses **on account of** climate change in general and extreme heat in particular. The research team used simulation from eight separate Earth System Models to historical and future increases of heat exposure. We know that global temperatures are rising and this heat is a direct result of rising carbon dioxide (CO<sub>2</sub>) levels in the atmosphere. According to this study, for each trillion of CO<sub>2</sub> emissions, GDP losses could be nearly 0.5%. But how?

When temperatures go up, schools and other institutions shut down or holidays get extended. Extreme cold during winter and floods after extreme rainfall also lead to the same result. Since our bodies are not habituated to function properly in extreme weather, most of us prefer staying inside our homes. In other words, our productivity reduces with rising temperature. Be it agriculture, factories, banks or hospitals, each sector depends on people and the labour they put in work. When people do not report to work, there will be a fall in production of that sector. And guess who will bear the brunt of the heat? People living in tropical countries. Because of their geographical location, these countries receive direct sunlight and thus have a warmer climate. Also, a majority of these countries are poor - which makes them target of multi-national corporations (MNCs) from developed countries that exploit the local resources to generate profit. Productivity losses in countries like Gabon and Malaysia could be up to 5% of the total GDP annually.

17. Which of the following is/are TRUE in the context of the passage?  
 (1) Production of the agricultural sector in many countries is now independent of labour.  
 (2) Schools and institutions remain open during extreme cold weather but not during hot weather  
 (3) The human body can function well in extremely hot weather.  
 (4) None of the given options is true  
 (5) There is no relation between rising temperatures and productivity
18. Which of the following is/are true about GDP, as mentioned in the passage?  
 (1) It should be based upon the performance of the service sector only  
 (2) It takes environmental costs into consideration  
 (3) It is used accurately in developed countries only  
 (4) Chances of investment are high in countries with a high GDP growth  
 (5) None of the given options is true
19. The study published by journal XYZ assessed the \_\_\_\_\_.  
 (1) number of days schools remain shut due to hot weather  
 (2) rise in global temperatures as per the rise in CO<sub>2</sub> emissions  
 (3) percentage by which the efficiency of humans reduces with rise in temperature  
 (4) effect of absenteeism on productivity in the service sector  
 (5) quantitative impact of rising temperatures on GDP growth of a country
20. Which of the following should fill the blank ' \_\_\_\_\_ ' to make the sentence meaningful and grammatically correct in the context of the passage?  
 (1) formation of (2) makes up (3) show (4) created more (5) is indicative
21. Which of the following is SAME in meaning as the word BRUNT as used in the passage?  
 (1) least (2) benefit (3) part (4) matter (5) major impact
22. Which of the following CAN REPLACE the phrase ON ACCOUNT OF both grammatically and meaningfully in the context of the passage?  
 (1) without regard to (2) are causing (3) because  
 (4) owing to (5) result of
23. Why, according to the author, is the GDP of tropical countries more susceptible to higher environmental costs?  
 (A) Exploitation by MNCs from developed countries  
 (B) These already have high temperatures due to direct sun-light  
 (C) Most of these countries are rich and their people consume a lot of energy  
 (1) Only A and C (2) Only B and C (3) Only C  
 (4) Only A and B (5) Only A
24. According to the author, \_\_\_\_\_.  
 (A) action must be taken against developing countries for exploiting the environment.  
 (B) rising CO<sub>2</sub> emissions must be checked by countries to minimize loss of productivity.  
 (C) people will develop physical resilience towards extreme weather conditions.  
 (1) All A, B and C (2) Only A (3) Only A and B  
 (4) Only A and C (5) Only B
25. Which of the following is OPPOSITE to the meaning of the word ADDRESSING as used in the passage?  
 (1) fiddling (2) ignoring (3) resolving (4) notifying (5) decreasing

**Direction (Qs.26-30):** Each sentence has a blank, indicating that something has been omitted. Against each blank, three words (A), (B) and (C) are given. Choose the word(s) for the blank which best fit(s) the meaning of the sentence as a whole:

26. A short circuit was the \_\_\_\_\_ of yesterday's fire.  
(A) reason  
(B) cause  
(C) resulting  
(1) Only C  
(2) All A, B and C  
(3) Only A and B  
(4) Only B  
(5) Only A
27. He believed students must be able to do their own work without \_\_\_\_\_ ashamed.  
(A) any  
(B) regarding  
(C) feeling  
(1) Only B  
(2) All A, B and C  
(3) Only B and C  
(4) Only A and B  
(5) Only C
28. The villagers set an example by \_\_\_\_\_ the barren land into a forest in 20 years.  
(A) transforming  
(B) turning  
(C) converting  
(1) Only C  
(2) All A, B and C  
(3) Only A and C  
(4) Only A  
(5) Only A and B
29. As of now, the matter is \_\_\_\_\_ police investigation and will be resolved soon.  
(A) under  
(B) about  
(C) over  
(1) Only A and B  
(2) Only B and C  
(3) Only C  
(4) Only B  
(5) Only A
30. All of us were supposed to wear new clothes on the \_\_\_\_\_ of Navratri.  
(A) occasion  
(B) happening  
(C) spot  
(1) Only C  
(2) None of A, B and C  
(3) Only A and C  
(4) Only B and C  
(5) Only A

TEST-II  
NUMERICAL ABILITY

**Direction (Qs.31-40):** What will come in place of the question mark (?) in the following questions?

31.  $\sqrt{289} + \sqrt{3} \times \sqrt{108} = ?$   
 (1) 40 (2) 30 (3) 25 (4) 35 (5) 45
32.  $? \times \frac{7}{8} + 1\frac{1}{2} \div 11 = \frac{3}{8}$   
 (1)  $\frac{7}{11}$  (2)  $\frac{3}{11}$  (3)  $\frac{3}{7}$  (4)  $\frac{5}{8}$  (5)  $\frac{5}{11}$
33.  $\left(\frac{4}{7} + \frac{2}{3}\right) \div 1\frac{4}{9} = ?$   
 (1)  $\frac{6}{7}$  (2)  $\frac{6}{11}$  (3)  $\frac{4}{7}$  (4)  $\frac{4}{11}$  (5)  $\frac{2}{3}$
34. 25% of  $(22)^2 - ? = 72$   
 (1) 59 (2) 57 (3) 40 (4) 37 (5) 49
35. ?% of  $250 + 9^2 = 181$   
 (1) 40 (2) 30 (3) 45 (4) 50 (5) 35
36. 52% of  $700 + ? \times 3 = (20)^2$   
 (1) 14 (2) 12 (3) 8 (4) 18 (5) 16
37.  $13 + 15 \times 7 - \sqrt{196} = ?$   
 (1) 108 (2) 116 (3) 110 (4) 104 (5) 124
38.  $\frac{9}{10} + 1\frac{2}{5} \times 1\frac{1}{2} = ?$   
 (1) 7 (2) 2 (3) 3 (4) 4 (5) 5
39.  $100 \div 30 \times 27 - 9 = ?$   
 (1) 85 (2) 79 (3) 81 (4) 87 (5) 89
40.  $\frac{? \times 156}{8 \times 7 + 8} = 19.5$   
 (1) 11 (2) 9 (3) 5 (4) 7 (5) 8

**Direction (Qs.41-45):** Study the table and answer the given questions.

**Number of pages printed by 4 printers on 4 days:**

Printers Days	P	Q	R	S
Monday	62	105	60	100
Tuesday	48	87	54	96
Wednesday	61	76	66	98
Thursday	75	63	54	49

41. The number of pages printed by printer P on Tuesday is approximately what percent less than the number of pages printed by the same printer on Thursday?  
 (1) 19% (2) 31% (3) 23% (4) 36% (5) 27%
42. What is the average number of pages printed by printer Q on Monday, Tuesday and Thursday?  
 (1) 83 (2) 85 (3) 93 (4) 91 (5) 87
43. The number of pages printed by printer P on Monday is what percent of the number of the pages printed by the same printer on Thursday?  
 (1)  $82\frac{2}{3}\%$  (2)  $80\frac{2}{3}\%$  (3)  $88\frac{4}{7}\%$  (4)  $84\frac{6}{7}\%$  (5)  $76\frac{5}{7}\%$
44. What is the respective ratio between the total number of pages printed by printer R on Monday and Wednesday together and total number of pages printed by printer S on the same days together?  
 (1) 8 : 11 (2) 7 : 13 (3) 7 : 11 (4) 16 : 17 (5) 8 : 11
45. What is the difference between the total number of pages printed by printers P and Q together on Wednesday and total number of pages printed by printers R and S together on Thursday?  
 (1) 32 (2) 36 (3) 34 (4) 39 (5) 30
46. Paul sold a machine for Rs.42,600 with a discount of 29% on the labeled price and made a profit of 6.5%. What would have been the percent profit if the machine was sold without any discount on the labeled price?  
 (1) 65% (2) 52% (3) 58%  
 (4) 69% (5) Other than those given as options
47. A number is such that when it is multiplied by 5, it gives another number which is as much above 189 as the original number itself is below 189. What is 25% of the original number?  
 (1) 15.75 (2) 17.5 (3) 16  
 (4) 16.75 (5) Other than those given as options

**Direction (Qs.48-52):** In each of these questions, two equations I and II are given. Solve both the equations select the appropriate answer from the codes given below.

**Give answer (1):** If  $x > y$

**Give answer (2):** If  $x \geq y$

**Give answer (3):** If  $x < y$

**Give answer (4):** If  $x \leq y$

**Give answer (5):** If  $x = y$  or no relationship can be established between  $x$  and  $y$

48. I.  $3x^2 + 8x + 4 = 0$

II.  $2y^2 + 7y + 6 = 0$

49. I.  $x^2 - 12x + 35 = 0$

II.  $y^2 - 11y + 28 = 0$

50. I.  $x^2 = 16$

II.  $y^2 + 8y + 16 = 0$

51. I.  $x^2 + 6x + 8 = 0$

II.  $2y^2 + 3y + 1 = 0$

52. I.  $x^2 + 5x + 6 = 0$

II.  $3y^2 + 4y + 1 = 0$

53. How many kg of rice costing Rs.56 per kg must be mixed with 32 per kg of rice costing Rs.91 per kg., so that there may be a gain of 25% by selling the mixture at Rs.105 per kg?  
 (1) 12 (2) 10 (3) 8 (4) 15 (5) None of these

**Direction (Qs.54-58):** What will come in place of question mark (?) in the following number series?

54. 117 98 80 64 ? 42  
 (1) 55 (2) 51 (3) 49 (4) 57 (5) 61
55. 6 4 5 8.5 ? 46  
 (1) 19 (2) 20 (3) 18 (4) 16 (5) 17
56. 16 25 53 118 244 ?  
 (1) 488 (2) 475 (3) 479 (4) 455 (5) 461
57. 146 149 143 155 ? 179  
 (1) 129 (2) 131 (3) 120 (4) 126 (5) 135
58. 3.5 ? 17 67 334 2003  
 (1) 7 (2) 6 (3) 4 (4) 10 (5) 8
59. The perimeter of a square, whose area is 784 sq.metre, is equal to the diameter of a circle. What is the circumference of the circle? (in metre.)  
 (1) 352 (2) 252 (3) 452 (4) 325 (5) 235
60. A and B enter into a partnership by investing Rs.3600 and Rs.4200 respectively. At the end of the partnership, they received a total profit of Rs.1500. If A invested for 2 months less than B and the difference between profit received by them is Rs.300, then find the period of investment of B.  
 (1) 12 months (2) 10 months (3) 9 months (4) 7 months (5) None of these
61. While travelling downstream, a man can row 16 km more in 4 hours as compared to travelling upstream. What is the speed of the stream?  
 (1) 1.5 km/h (2) 1 km/h (3) 2 km/h  
 (4) 1.25 km/h (5) Other than those given as options

**Direction (Qs.62-65):** Study the table and answer the given questions.

Person	Number of days they worked	Percentage of work done to complete the project
A	8	20%
B	3	10%
C	6	25%
D	15	30%
E	6	15%

62. G who can complete whole work in 30 days replaced A and did A's part of work. He left and then B also worked for same number of days as G. If remaining work was completed by M who can do complete work in one-fourth the number of days in which E can complete the work, then in how many days was the whole work completed?  
 (1) 22 days (2) 14 days (3) 21 days (4) 18 days (5) 12 days

63. A and B started doing the work. After 10 days they both left, and C joined the work. He completed his part of work. Now the remaining work was completed by F in 16 days. In how many days can F complete whole work?  
 (1) 30 days      (2) 96 days      (3) 48 days      (4) 24 days      (5) None of these
64. If all people divide the work equally, in how many days will the work be completed this way?  
 (1) 20 days      (2) 36.8 days      (3) 38 days      (4) 26.8 days      (5) None of these
65. P is 20% more efficient than B and Q is 60% more efficient than C. They worked together for 5 days and left the work, after which the remaining work was completed by D in  
 (1) 23 days      (2) 15 days      (3)  $23\frac{1}{3}$  days      (4)  $26\frac{1}{3}$  days      (5) None of these

TEST-III  
REASONING ABILITY

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

S, T, U, V, W, X, Y and Z are seated in a straight line but not necessarily in the same order. Some of them are facing south while some are facing north.

S sits fourth to the left of X. X sits at one of the extreme ends of the line. Both the immediate neighbours of S face north. T sits second to the left of Z. Z is not an immediate neighbour of S. Neither Z nor U sits at an extreme end of the line. Both the immediate neighbours of U face north. W sits to the immediate left of Y. Immediate neighbours of V face opposite directions (i.e., if one neighbour of V faces north then the other faces south and vice-versa). Immediate neighbours of T face opposite directions (i.e., if one neighbour of T faces north then the other faces south and vice-versa.) S faces south. People sitting at the extreme ends face the opposite directions (i.e. if one person faces north then the other faces south and vice-versa).

66. How many persons sit between U and S?  
 (1) Three      (2) Four      (3) Six      (4) Five      (5) None of these
67. Who sits second to the left of V?  
 (1) X      (2) W      (3) Z      (4) Y      (5) Can't say
68. How many persons sit between Y and Z?  
 (1) One      (2) Three      (3) Two  
 (4) More than three      (5) None
69. Four of the following five are alike in a certain way as per the given arrangement and thus they form a group. Which one of the following does not belong to that group?  
 (1) U      (2) Z      (3) S      (4) T      (5) V
70. Who sits to the immediate left of Z?  
 (1) U      (2) V      (3) S      (4) Y      (5) X

**Direction (Qs.71-75):** Study the following information carefully to answer the given questions:

Eight persons were born on the same date but in eight consecutive years from 1991 to 1998. Each of them will throw a party to celebrate their birthday but the duration of each party is different such that it increases by 10 minutes for the person who was born in the succeeding year. The slots of the parties are consecutive (i.e., If Y who was born in 1991 throws a party from 9 pm - 10 pm, then Z who was born in 1992, will throw a party from 10 pm - 11 : 10 pm.)

M was born in the immediate year after the one who will throw a party of duration 45 minutes. Three persons were born after the one whose party will start at 01 : 20 pm. The party of D will end at 11 : 20 am. Four persons were born between H and U. H was born after 1992. Two persons were born between L and A. The durations of the parties of A and C differ by more than 10 minutes. The duration of the party of C is not more than 1 hour and 20 minutes. The party of F will start after 04 : 10 pm.

71. At what time will the party of L start?  
(1) 1 : 20 pm      (2) 11 : 20 am      (3) 12 : 15 pm      (4) 10 : 35 am      (5) 02 : 25 pm
72. How many persons were born between F and M?  
(1) Three      (2) Four      (3) Two      (4) One      (5) More than four
73. At what time will the party of the person who was born immediately after C ends?  
(1) 03 : 00 pm      (2) 03 : 25 pm      (3) 03 : 55 pm      (4) 04 : 00 pm      (5) 03 : 45 pm
74. Which of the following persons will have a party that will start between 2 : 00 pm and 5 : 00 pm?  
(1) A      (2) F      (3) C      (4) H      (5) Both H and A
75. As many persons were born before F as many were born after the person whose party will end at \_\_\_\_\_.  
(1) 10 : 35 am      (2) 10 : 00 am      (3) 12 : 00 pm      (4) 11 : 20 am      (5) 12 : 15 pm

**Direction (Qs.76-77):** Study the following information carefully to answer the given questions.

In a family of ten members, number of male and female members are equal. A, who is married to X, has no children. F is the only nephew of E, who is married to K, who is the father of two children. G is the only brother of C, who is the niece of Y, who is the father of L. H is the only sister of A. A is the uncle of L. F is the brother of L. It is known that either both or one of the parents of each member is alive.

76. How is Y related to F?  
(1) Father      (2) Uncle      (3) Aunt      (4) Mother      (5) Brother
77. How is G related to E?  
(1) Aunt      (2) Niece      (3) Nephew      (4) Uncle      (5) Son
78. A family consists of five members A, P, R, T and H. P is wife of A. R is the daughter of A. R has only one brother T. H is the daughter-in-law of P. How is H related to R?  
(1) Mother      (2) Sister-in-law      (3) Daughter  
(4) Daughter-in-law      (5) None of these
79. How many such pairs of letters are there in the word 'DECLARING' each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?  
(1) Three      (2) Two      (3) One      (4) Four      (5) More than four

80. Find the odd one out.  
 (1) BEH            (2) JMP            (3) TWZ            (4) CFI            (5) KOP

**Direction (Qs.81-85):** Study the following information carefully to answer the given questions:

In a certain code language,  
 "arrange things in order" is coded as "po gb ik mn"  
 "order for new things" is coded as "po gb fc bv"  
 "new places to order" is coded as "gb cq bv ra"  
 "places in unknown country" is coded as "de ra lf ik"  
 (All the codes are two letter codes only).

81. What will be the code for "arrange" as per the given code language?  
 (1) gb            (2) ik            (3) cq            (4) Can't say            (5) mn
82. What may be the code for "in country" as per the given code language?  
 (1) lf ik            (2) de ik            (3) po gb  
 (4) Either (1) or (2)            (5) Other than those given as options
83. Which of the following words is coded as 'bv' in the given code language?  
 (1) things            (2) new            (3) arrange            (4) places            (5) None of these
84. Which of the following may be the code for the word "order"?  
 (1) cq            (2) fc            (3) gb            (4) ik            (5) Can't say
85. Which of the following may define the code for "things to vanish"?  
 (1) po cq hx            (2) po vm ik            (3) cq fc ik  
 (4) None of these            (5) Either 'po cq hx' or 'po vm ik'

**Direction (Qs.86-90):** In each of the following questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions numbered I and II. Study the conclusions based on the given statement and select the appropriate answer.

- Give answer (1):** If either conclusion I or II is true  
**Give answer (2):** If neither conclusion I nor II is true  
**Give answer (3):** If both the conclusions I and II are true  
**Give answer (4):** If only conclusion I is true  
**Give answer (5):** If only conclusion II is true

86. **Statements:**  $P < Q \leq R; S < T \leq P; V = W > S$   
**Conclusions:** I.  $Q > T$             II.  $V < S$
87. **Statements:**  $A > B = C; C < D \geq E; F \leq D$   
**Conclusions:** I.  $F < B$             II.  $B < D$
88. **Statements:**  $Q > B; K < E < B; J \geq E; R < Q$   
**Conclusions:** I.  $Q > K$             II.  $Q = E$
89. **Statements:**  $E = F < G < H; G \geq I$   
**Conclusions:** I.  $H > I$             II.  $E > I$
90. **Statement:**  $Z > W > V = K < L < I$   
**Conclusions:** I.  $W > K$             II.  $I > K$

**Direction (Qs.91-95):** Study the following information carefully and answer the given questions:

Six people were seated around a square table such that one person was seated on each edge and one person each on two of the corners opposite to each other. Some of them were facing inside while some of them were facing outside.

D was seated at the corner and was facing outside. C was seated second to the left of D. A was seated to the immediate left of C. E was seated at one of the corners and second to the left of A. B was seated second to the right of E and both were facing same direction. One of the persons was G. No three people seated together were facing same direction.

91. Who was sitting third to the left of E?  
(1) B (2) D (3) C (4) G (5) A
92. Who was seated to the immediate right of D?  
(1) A (2) E (3) C (4) B (5) G
93. Who among the following were facing the same direction?  
I. D II. A III. C  
(1) I and II (2) II and III (3) I and III (4) All I, II and III (5) None of these
94. Who among the following were sitting on the edges of the table?  
I. C II. B III. G  
(1) I and II (2) II and III (3) Only II (4) I and III (5) All I, II and III
95. Who among the following was sitting second to the left of G?  
(1) A (2) C (3) D (4) B (5) E

**Direction (Qs.96-100):** Study the following arrangement carefully to answer the given questions.

T \$ 6 U K 7 % \* 4 J O @ 2 3 L P 9 8 A # Y ^ 5 W &

96. If all the even digits are skipped from the sequence then which of the following elements is fifth to the right of '@' ?  
(1) A (2) U (3) W (4) Y (5) #
97. What is the sum of the second prime number from right end and the third composite number from the left end?  
(1) 18 (2) 16 (3) 20  
(4) 11 (5) Other than those given as options
98. Which of the following elements is 17<sup>th</sup> from the left end?  
(1) % (2) 9 (3) # (4) 8 (5) A
99. Four of the following five are alike in a certain way and thus they form a group. Which of the following does not belong to that group?  
(1) 7\*K (2) L93 (3) J@4 (4) \$UT (5) Y^A
100. If all the letters are skipped from the given sequence then which of the following is exactly between '%' and '#'?  
(1) @ (2) 4 (3) 3 (4) 2 (5) None of these

-- x --

## ANSWERS

1. **Ans (1): A**  
As the structure suggests, This idea if initiated (V<sub>2</sub>) should be used here.  
Past simple + could indicates the speaker thinks the event is not likely to happen.
2. **Ans (3): C**  
**Look at the sentence:**  
I want to report **the** loss of a package.  
Certainty is evident. Hence, prevented the loss of .... Should be used.
3. **Ans (4): B**  
Of the two past events, the earlier event is expressed in past perfect. Hence, the discount as he had booked .... Should be used.
4. **Ans (2): D**  
**Structure of Future Simple in passive voice:**  
Subject + shall/will + be + V<sub>3</sub>  
Hence, be powered by solar energy ... should be used here.
5. **Ans (1): B**  
Here, Noun will be used, not an Adjective. Hence, greed (Noun) and envy (Noun) loses ... should be used here.
6. **Ans (1):** No rearrangement required
7. **Ans (4): BAC**  
Correct sentence is: There is a misconception that stubble **burning** in the nearby areas **causes** (Verb) pollution in the city during winter.
8. **Ans (1): CAB**  
Correct sentence is: Dependence on **Textbooks** helps students sharpen their **memory** but doesn't teach them how to **analyse** (V<sub>1</sub>) facts.
9. **Ans (2): BCA**  
Correct sentence is: Gandhi's innovative **methods** (Noun) of teaching **involved** (V<sub>2</sub>) imparting lessons **through** (Adverb) craft or practice.
10. **Ans (1): None can replace**  
As soon as **day breaks** ⇒ As soon as it dawns/sunlight appears/the sun rises
11. **Ans (4): accompanied by**  
**Along with** = accompanied by; accompanying; together with.
12. **Ans (3):** DACEB
13. **Ans (4):** CBEAD
14. **Ans (1):** BAEDC
15. **Ans (5): None of the given combinations is correct**  
Although the scheme targets building 35 million houses by this decade, this is going to have a major impact on resource consumption. (ACEDB)

16. **Ans (3):** ECADB
17. **Ans (4):** None of the given options is true
18. **Ans (4):** Chances of investment are high in countries with a high GDP growth
19. **Ans (5):** quantitative impact of rising temperatures on GDP growth of a country
20. **Ans (5): is indicative**  
**Indicative (Adjective)** = pointing out or showing something.  
**Look at the sentence:**  
Fever is indicative of illness.
21. **Ans (5): major impact**  
**Brunt (Noun)** = main impact/force of something unpleasant.  
**Look at the sentence:**  
The infantry has taken/borne the brunt of the missile attacks.
22. **Ans (4): owing to**  
**On account of** = because of; owing to
23. **Ans (4):** Only A and B
24. **Ans (5):** Only B
25. **Ans (2): ignoring**  
**Address (Verb)** = to give attention to or deal with a matter or problem.  
**Ignore (Verb)** = to pay no attention to somebody/something.  
**Look at the sentences:**  
The issue of funding has yet to be addressed.  
I smiled at her but she just ignored me.  
**Fiddle (Verb)** = to act dishonestly in order to get something for yourself; to change something dishonestly, especially to your advantage.  
**Resolve (Verb)** = to solve or end a problem or difficulty.
26. **Ans (4): Only B**  
**Look at the sentence:**  
The police do not know the cause **of** the accident.  
The reason **for** the disaster was engine failure; not human error.
27. **Ans (5): Only C**  
Here, Gerund i.e. feeling should be used.  
**Regarding** = about; in relation to.
28. **Ans (2): All A, B and C**  
All the given words bear same meaning.
29. **Ans (5): Only A**  
**Under investigation** = being looked into.  
**Look at the sentence:** The accident is under investigation.
30. **Ans (5): Only A**  
**Occasion** = a special event, ceremony etc.

31. **Ans (4): 35**

$$? = 17 + \sqrt{3} \times \sqrt{6 \times 6 \times 3} \Rightarrow 17 + \sqrt{3} \times 6\sqrt{3} \Rightarrow ? = 17 + 18 = 35$$

32. **Ans (2):  $\frac{3}{11}$**

$$? \times \frac{7}{8} = \frac{3}{8} - \frac{3}{22} = \frac{33 - 12}{88} = \frac{21}{88} \Rightarrow ? = \frac{21}{88} \times \frac{8}{7} = \frac{3}{11}$$

33. **Ans (1):  $\frac{6}{7}$**

$$? = \frac{(12 + 14)}{21} \times \frac{9}{13} = \frac{26}{7} \times \frac{3}{13} = \frac{6}{7}$$

34. **Ans (5): 49**

$$? = 25\% \text{ of } 484 - 72 = 121 - 72 = 49$$

35. **Ans (1): 40**

$$\frac{?}{100} \times 250 = 181 - 81 \Rightarrow ? = \frac{100 \times 100}{250} = 40$$

36. **Ans (2): 12**

$$? \times 3 = 400 - (52 \times 7) = 36 \Rightarrow ? = \frac{36}{3} = 12$$

37. **Ans (4): 104**

$$? = 13 + 105 - 14 = 104$$

38. **Ans (3): 3**

$$? = \frac{9}{10} + \frac{7}{5} \times \frac{3}{2} = \frac{9}{10} + \frac{21}{10} = \frac{30}{10} = 3$$

39. **Ans (3): 81**

$$? = \frac{100}{30} \times 27 - 9 = 90 - 9 = 81$$

40. **Ans (5): 8**

$$\frac{? \times 156}{56 + 8} = 19.5 \Rightarrow ? = \frac{19.5 \times 64}{156} = 8$$

41. **Ans (4): 36%**

$$\therefore \text{Required percentage} = \left( \frac{75 - 48}{75} \right) \times 100 = \frac{27 \times 100}{75} = 36\%$$

42. **Ans (2): 85**

$$\text{Required average} = \frac{105 + 87 + 63}{3} = \frac{255}{3} = 85$$

43. **Ans (1):  $82\frac{2}{3}\%$**

$$\text{Required percentage} = \frac{62}{75} \times 100 = \frac{248}{3} = 82\frac{2}{3}\%$$

44. **Ans (3): 7 : 11**

$$\text{Required ratio} = (60 + 66) : (100 + 98) = 126 : 198 = 7 : 11$$

45. **Ans (3): 34**

$$\text{Required difference} = (61 + 76) - (54 + 49) = 137 - 103 = 34$$

46. **Ans (5): Other than those given as options**

$$\text{M.P. of machine} = \left(\frac{100}{100 - 29}\right) \times 42600 \Rightarrow \frac{100}{71} \times 42600 = \text{Rs.}60000$$

$$\therefore \text{C.P of machine} = \left(\frac{100}{106.5}\right) \times 42600 = \text{Rs.}40000$$

On selling at M.P,

$$\text{Profit percent} = \frac{60000 - 40000}{40000} \times 100 = 50\%$$

47. **Ans (1): 15.75**

Let the number be  $x$

$$\therefore 5x - 189 = 189 - x \Rightarrow 6x = 189 + 189 = 378$$

$$\Rightarrow x = \frac{378}{6} = 63$$

$$\therefore \text{Required answer} = 25\% \text{ of } 63 = 15.75$$

48. **Ans (5):  $x = y$  or no relationship can be established between  $x$  and  $y$**

$$\text{I. SR} = -8, \text{ PR} = 12 \Rightarrow x = \frac{-6}{3}, \frac{-2}{3} = -2, -0.66$$

$$\text{II. SR} = -7, \text{ PR} = 12 \Rightarrow y = \frac{-4}{2}, \frac{-3}{2} = -2, -1.5$$

49. **Ans (2):  $x \geq y$**

$$\text{I. SR} = 12, \text{ PR} = 35 \Rightarrow x = 5, 7$$

$$\text{II. SR} = 11, \text{ PR} = 28 \Rightarrow y = 4, 7$$

50. **Ans (2):  $x \geq y$**

$$\text{I. } x^2 = 16 \Rightarrow x = 4, -4$$

$$\text{II. SR} = -8, \text{ PR} = 16 \Rightarrow y = -4, -4$$

51. **Ans (3):  $x < y$**

$$\text{I. SR} = -6, \text{ PR} = 8 \Rightarrow x = -4, -2$$

$$\text{II. SR} = -3, \text{ PR} = 2 \Rightarrow y = \frac{-1}{2}, \frac{-2}{2} = -0.5, -1$$

52. **Ans (3):  $x < y$**

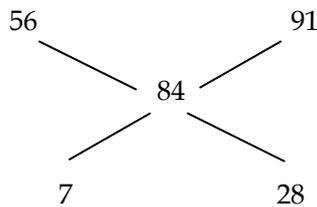
$$\text{I. SR} = -5, \text{ PR} = 6 \Rightarrow x = -2, -3$$

$$\text{II. SR} = -4, \text{ PR} = 3 \Rightarrow y = \frac{-1}{3}, \frac{-3}{3} = -0.33, -1$$

53. **Ans (3): 8**

$$\text{C.P. of mixture} = \frac{105 \times 100}{125} = \text{Rs.84 per kg}$$

By the rule of allegation,

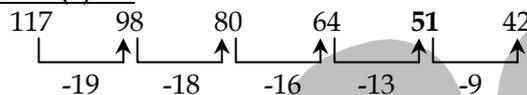


Required ratio = 7 : 28 = 1 : 4

$$\frac{x}{32} = \frac{1}{4} \Rightarrow x = 8 \text{ kg}$$

∴ Required answer = 8 kg

54. **Ans (2): 51**



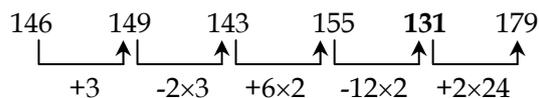
55. **Ans (3): 18**



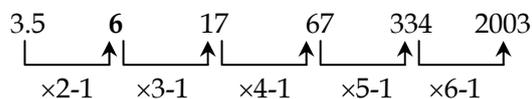
56. **Ans (5): 461**



57. **Ans (2): 131**



58. **Ans (2): 6**



59. **Ans (1): 352**

$$\text{Side of Square (a)} = \sqrt{784} = 28 \text{ m}$$

$$\therefore \text{Perimeter of square} = 4a = 4 \times 28 \text{ m}$$

$$\therefore \text{Radius of circle} = 2 \times 28 = 56 \text{ m}$$

$$\therefore \text{Circumference of circle} = 2\pi r = 2 \times \frac{22}{7} \times 56 = 352 \text{ m}$$

**60. Ans (3): 9 months**

$$\begin{aligned}\therefore \text{Ratio of shares of A and B} &= 3600 \times (x - 2) : 4200 \times (x) = 6(x - 2) : 7x \\ \text{Sum of the terms of ratio} &= 6x - 12 + 7x = 13x - 12 \\ \Rightarrow \frac{7x - 6x + 12}{13x - 12} \times 1500 &= 300 \Rightarrow \frac{x + 12}{13x - 12} = \frac{300}{1500} = \frac{1}{5} \\ \Rightarrow 13x - 12 &= 5x + 60 \Rightarrow 13x - 5x = 60 + 12 \\ \Rightarrow 8x &= 72 \Rightarrow x = 9 \text{ months}\end{aligned}$$

**61. Ans (3): 2 km/h**

$$\begin{aligned}\text{Speed of boat in still water} &= x \text{ kmph} \\ \text{Speed of current} &= y \text{ kmph} \\ \therefore \text{Rate downstream} &= (x + y) \text{ kmph} \\ \text{Rate upstream} &= (x - y) \text{ kmph} \\ \Rightarrow (x + y) \times 4 - (x - y) \times 4 &= 16 \Rightarrow 8y = 16 \Rightarrow y = 2 \text{ kmph}\end{aligned}$$

**62. Ans (4): 18 days**

$$\begin{aligned}\text{Time taken by G in doing 20\% work} &= \frac{30}{5} = 6 \text{ days} \\ \text{Work done by B in 6 days} &= \frac{6 \times 10}{3} = 20\% \\ \text{Remaining work} &= 100 - 20 - 20 = 60\% \\ \therefore \text{E does 15\% work in 6 days.} \\ \therefore \text{Time taken by E in doing 100\% work} &= \frac{6}{15} \times 100 = 40 \text{ days} \\ \therefore \text{Time taken by M in doing 100\% work} &= \frac{40}{4} \text{ days} = 10 \text{ days} \\ \therefore \text{Time taken by M in doing 60\% work} &= 6 \text{ days} \\ \therefore \text{Required time} &= 6 + 6 + 6 = 18 \text{ days}\end{aligned}$$

**63. Ans (2): 96 days**

$$\begin{aligned}\text{Work done by A in 10 days} &= \frac{20}{8} \times 10 = 25\% \\ \text{Work done by B in 10 days} &= \frac{10 \times 10}{3} = \frac{100}{3}\% \\ \text{Work done by C} &= 25\% \\ \therefore \text{Remaining work} &= 100 - 25 - \frac{100}{3} - 25 = 50 - \frac{100}{3} = \frac{50}{3}\% \\ \therefore \text{F does } \frac{50}{3}\% \text{ work in 16 days.} \\ \therefore \text{Time taken by F in doing 100\% work} &= \frac{16 \times 3}{50} \times 100 = 96 \text{ days.}\end{aligned}$$

**64. Ans (2): 36.8 days**

$$\begin{aligned}\text{Each person's share of work} &= 20\%. \\ \therefore \text{Total time taken} &= \left( 8 + 2 \times 3 + \frac{6}{25} \times 20 + \frac{15}{30} \times 20 + \frac{6}{15} \times 20 \right) \text{ days} \\ &= \left( 8 + 6 + \frac{24}{5} + 10 + 8 \right) \text{ days} = (32 + 4.8) \text{ days} = 36.8 \text{ days}\end{aligned}$$

65. **Ans (3):**  $23\frac{1}{3}$  days

$$\text{Time taken by P in doing 10\% work} = \frac{100}{120} \times 3 = 2.5 \text{ days}$$

$$\text{Time taken by Q in doing 25\% work} = \frac{100}{160} \times 6 = 3.75 \text{ days}$$

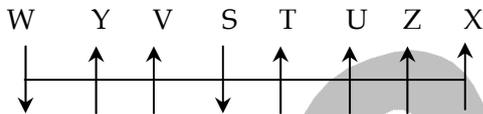
$$\text{Work done by P in 5 days} = \frac{10}{2.5} \times 5 = 20\%$$

$$\text{Work done by Q in 5 days} = \frac{25}{3.75} \times 5 = \frac{100}{3}\%$$

$$\text{Remaining work} = \left(100 - 20 - \frac{100}{3}\right)\% = \left(80 - \frac{100}{3}\right)\% = \frac{140}{3}\%$$

$$\therefore \text{Time taken by D in doing } \frac{140}{3}\% \text{ of work} = \frac{15}{30} \times \frac{140}{3} = \frac{70}{3} = 23\frac{1}{3} \text{ days}$$

For (Qs.66-70):



66. **Ans (5): None of these**  
Only T sits between U and S.

67. **Ans (2): W**  
W sits second to the left of V.

68. **Ans (4): More than three**  
Four persons - V, S, T and U - sit between Y and Z.

69. **Ans (3): S**  
Except S, all others face North. S faces South.

70. **Ans (1): U**  
U sits to the immediate left of Z.

For (Qs.71-75):

Year	Person	Time	Duration
1991	U	10:00 am - 10:35 am	35 Minutes
1992	D	10:35 am - 11:20 am	45 Minutes
1993	M	11:20 am - 12:15 pm	55 Minutes
1994	L	12:15 pm - 1:20 pm	65 Minutes
1995	C	1:20 pm - 2:35 pm	75 Minutes
1996	H	2:35 pm - 4:00 pm	85 Minutes
1997	A	4:00 pm - 5:35 pm	95 Minutes
1998	F	5:35 pm - 7:20 pm	105 Minutes

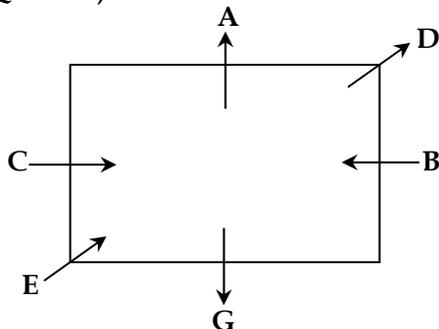
71. **Ans (3): 12 : 15 pm**  
The party of L will start at 12 : 15 pm.

72. **Ans (2): Four**  
Four persons - L, C, H and A - were born between F and M.



82. **Ans (4): Either (1) or (2)**  
 'in country' is coded as either 'lf ik' or 'de ik'.
83. **Ans (2): new**  
 'bv' is the code for 'new'.
84. **Ans (3): gb**  
 'order' is coded as 'gb'.
85. **Ans (1): po cq hx**  
 'Things to vanish' is coded as 'po cq hx'.
86. **Ans (4): Only Conclusion I is true**  
**Statement:**  $V = W > S < T \leq P < Q \leq R$   
**Conclusions:** I.  $Q > T$  (✓)      II.  $V < S$  (✗)
87. **Ans (5): Only Conclusion II is true**  
**Statements:**  $A > B = C < D \geq E$   
 $\downarrow$   
 $F \leq D$   
**Conclusions:** I.  $F < B$  (✗)      II.  $B < D$  (✓)
88. **Ans (4): Only Conclusion I is true**  
**Statements:**  $K < E < B < Q > R$   
 $\downarrow$   
 $J \geq E$   
**Conclusions:** I.  $Q > K$  (✓)      II.  $Q = E$  (✗)
89. **Ans (4): Only Conclusion I is true**  
**Statements:**  $E = F < G < H$   
 $\downarrow$   
 $G \geq I$   
**Conclusions:** I.  $H > I$  (✓)      II.  $E > I$  (✗)
90. **Ans (3): Both the conclusions I and II are true**  
**Statement:**  $Z > W > V = K < L < I$   
**Conclusions:** I.  $W > K$  (✓)      II.  $I > K$  (✓)

For (Qs.91-95):



91. **Ans (2): D**  
 D was sitting third to the left of E.

92. **Ans (4): B**

B was seated to the immediate right of D.

93. **Ans (1): I and II**

D and A were facing outside.

C was facing inside.

94. **Ans (5): All I, II and III**

A, C, G and B were sitting on the edges of the table.

95. **Ans (3): D**

D was sitting second to the left of G.

96. **Ans (1): A**

The new sequence would be:

T \$ U K 7 % \* J O @ 3 L P 9 A # Y ^ 5 W &

∴ 5<sup>th</sup> to the right of @ is A.

97. **Ans (5): Other than those given as options**

Second Prime Number from the right end  $\Rightarrow 3$

Third Composite Number from the left end  $\Rightarrow 9$

Required sum =  $3 + 9 = 12$

98. **Ans (2): 9**

17<sup>th</sup> element from the left end  $\Rightarrow 9$

99. **Ans (5): Y ^ A**

7  $\xrightarrow{+2}$  L  $\xrightarrow{-3}$  K

L  $\xrightarrow{+2}$  9  $\xrightarrow{-3}$  3

J  $\xrightarrow{+2}$  @  $\xrightarrow{-3}$  4

\$  $\xrightarrow{+2}$  U  $\xrightarrow{-3}$  T

But,

Y  $\xrightarrow{+1}$  ^  $\xrightarrow{-3}$  A

100. **Ans (4): 2**

The new sequence would be:

\$ 6 7 % \* 4 @ 2 3 9 8 # ^ 5 &

↓

Middle

∴ The element 2 is exactly between '%' and '#'.  
-- x --