



# IBPS CLERK PRELIMS MODEL PAPER



## ENGLISH

The debate over the move by the central and Jammu and Kashmir governments to resettle Kashmiri Pandits in Kashmir is one that will only bring pain to any well-wisher of the state. To understand this, one has to go back in time, when the second half of the ~~state~~ 1980s saw Kashmir spiral out of control, gripped by violence, suspicion and dread. What had begun as an ethnic conflict was soon imparted a religious colour by Pakistan's Inter-Services Intelligence (ISI). The Pandits, a Hindu minority in the Kashmir valley, were targeted by the Jammu Kashmir Liberation Front (JKLF), even though the organisation had sought to build on the original secular foundations of the National Conference and by the ~~Hizb~~ Hizb-ul-Mujahideen, a secessionist outfit, which sparked their exodus. By 2008, their population, as assessed by the Kashmiri Pandit Sangharsh Samiti (KPS), was reduced to 651 families from 75,343 families on January 1, 1990. Nearly 70,000 families fled in the turmoil of 1990-92, and even though the violence was brought under control, most of the remaining families left thereafter.

By 1990-I was special commissioner, Anantnag, in south Kashmir then the public had ceased to visit government offices. But in early March, several hundred people from the Nai Basti neighbourhood went to the special commissioner's office in Khannabal demanding to see me. Because of the disturbed circumstances, I had set up office and residence in the rest house in the district headquarters. Mohammad Sayed Sahab, generally known as Sayed Shah, the brother of the separatist leader, Shabbir Shah, and Muslim United Front (MUF) members of the dissolved state Assembly, demanded to know why Pandits were leaving en masse and in turn why the administration was doing nothing about it. Mr. Shah accused the administration of encouraging the migration so that

The Army would be left free to unleash its heavy artillery on all habitations. When I asked the delegation if it believed that I would be party to such a plan, this was their response: 'I had been kept in the dark, while they were privy to "secret" information.' That the Pandits were apprehensive was hardly surprising, I said places of worship, like the one in Anantnag, where the majority went, were being used to issue threats to them over loud speakers. I learnt later that these inflammatory sermons, and their reverberating public applause, were audio recordings circulated to mosques to be played over loudspeakers at prayer time.

Local muslims needed to reassure the Pandits of their safety, I said - The administration would provide security whenever a threat to the Pandits was anticipated, but how effective it would all be would depend on unstinted public support, given that the residences of the Pandits were scattered.

The gathering concurred and dispersed. I requested state Governor Jagmohan that ~~he~~ he appeal to the Pandits, in a telecast, that they stay on in Kashmir, and assure them of their safety on the basis of the assurance of the Anantnag residents. Unfortunately, the only announcement to this effect was that "refugee" camps were being setup in every district, and Pandits who felt threatened were free to leave their stations. They would continue to be paid their salaries. I relate this story because the present flurry of allegations brings a sense of de-jà-vu. The Pandits more than 1,20,000 in the early 1980s numbered about 7,000 in the Kashmir valley in 2005.

1) Which of the following is the synonym of the word EXODUS?

- 1) creating riot    2) Extinction    3) mass departure    4) fear    5) none.

2) Which of the following is the synonym of the word DREAD?

- 1) Apprehension    2) Fusillade    3) Lachrymose

- 4) Confidence    5) stagnation.

3. choose an appropriate title for the above passage ?

- 1) Return to a lost paradise
- 2) Furious kashmir
- 3) The birth of Riot
- 4) Deadly co-existence in kashmir
- 5) Born to die .

4. which of the following is best meaning of phrase 'pivy to secret information'?

- 1) wrong information but seems to be secret
- 2) All rubbish
- 3) Forwarding wrong but secret information
- 4) well acquainted with
- 5) None of the above .

5. which of the following is not true according to the passage ?

- 1) kashmiri pandits moved to refugee camps even after the assurance from the state governor .
- 2) Author set up an office and resident in the affected district headquarter.
- 3) mosques were to console the affected pandits and to assure them safety on loud speakers .
- 4) some people blamed the Author for promoting the migration .
- 5) None of the above .

6. which of the following is not the synonym of the word 'turmoil'?

- 1) chaos
- 2) pandemonium
- 3) mayhem
- 4) bedlam
- 5) none of these .

7. what is the synonym of the word Apprehensive ?

- 1) Fidgety
- 2) strained
- 3) tense
- 4) All the above
- 5) none of these .

8. in the passage , Mr Shah accused the administration for . . . .

- 1) having pandits killed in the district .
- 2) migration of the pandits .
- 3) distracting the inquiry
- 4) not maintaining peace in the valley
- 5) none of these .

9. What is not the synonym of word 'unstinted' ?  
1) lavish 2) magnanimous 3) generous 4) All the above 5) None of these.
10. Which of the following organizations is not mentioned in the passage ?  
1) MDF 2) KPSS 3) ISI 4) JKLF 5) None of these.

Direction (11-15) :- Rearrange the following sentences.

- A) For example, some companies use software to scan photos to identify logos, whether the person in the image is smiling, and the scene's context.
- B) But they may be surprised to learn that a new crop of digital marketing companies are searching, scanning, storing and repurposing these images to draw insights for big-brand advertisers.
- C) most users of popular photo-sharing sites know that anyone can view their vacation pictures if shared publicly.
- D) Thus, these activities are raising fresh privacy concerns about how photo-sharing sites allow the dissemination of such personal data to others.
- E) This data allow marketers of that company to send targeted ads or conduct market research.

11. Which of the following should be the Third sentence ?  
1) A 2) B 3) C 4) D 5) E
12. Which of the following should be the LAST (Fifth) sentence ?  
1) A 2) F 3) D 4) C 5) B
13. Which of the following should be Fourth sentence ?  
1) A 2) B 3) C 4) F 5) D
14. Which of the following should be First sentence ?  
1) A 2) B 3) C 4) E 5) D

15. Which of the following should be the second sentence?

- 1) A 2) B 3) C 4) D 5) E

Direction (16-20): Find out the wrongly spelt or inappropriate word.

16. careful research by economists shows that we need labour reforms to achieve employment growth.

- 1) careful 2) research 3) shows 4) achieve 5) All correct.

17. Steps to improve the functioning of public sector banks have been initiated but it will take timing to yield results.

- 1) steps 2) public 3) timing 4) yield 5) All correct.

18. It is the nearest port to on the western coast and provides access to resources and markets of central Asia.

- 1) nearest 2) port 3) resource 4) markets 5) All correct.

19. On account of favourable weather conditions a record wheat crop is expected this year.

- 1) weather 2) conditions 3) record 4) expected 5) All correct.

20. It is vital to improve access to education, health and financial service to address the issue of inequality of opportunities.

- 1) vital 2) improve 3) education 4) address 5) All correct.

Direction (21-25) :- find out the error sentence.

21. While farmers are struggling (1) / to cope with severe drought (2)

crop companies are researched (3) / ways to breed crops that

thrive in drought (4) / NO error (5)

22. The European central bank has said that if all (1) / euro-zone nati

-on continue to carry out (2) / economic reforms as Portugal and

Ireland have (3) / then the central bank will guarantee future

bailouts (4) / no error (5).

23. India is undergoing a (1) / technology disruption phase where (2) / telecom operators is modernising (3) / network to keep up with rapid data growth (4) / no error (5).
24. In India, many cable (1) / operators is (2) / offering broadband (3) / services and will offer digital content (4) / NO error (5).
25. With the opening up of the (1) / Indian economy for private investment, PSFs have (2) / become the happy hunting ground for talent (3) / the new investors seek to build their businesses with (4) / no error (5).

Direction 26-30)

One World Trade Centre is viewed as a statement of hope, a marvel of persistence and a miracle of logistics. As years passed after the tragedy at the site at which it was since constructed and the delays kept mounting, Americans began to what's taking so long? Have we lost the capacity to rebuild? The answer in part was the sheer of the project - 10,000 workers attempting one of the most difficult construction projects ever in one of the most densely populated cities on earth. The funds allotted for the project were estimated as \$1.5 billion when the design was unveiled but the price tag just kept going up. Other included the harsh sun of summer the steel beams could reach temperatures that were hot enough to singe skin added to which a hurricane the construction site. The monument may not be all things to all people but its completion signifies that ambition coupled with determination of people in the face of odds is intact and will always win

the day.

26. 1) understand 2) anger 3) wonder 4) sense 5) questions
27. 1) complexity 2) delight 3) knowing 4) drop 5) obsession
28. 1) when 2) despite 3) instead 4) exclusive 5) moreover
29. 1) Advantages 2) information 3) challenges 4) Attempts 5) crisis
30. 1) formed 2) effected 3) predicted 4) hazard 5) flooded.

## English Answers

1. 3) 2. 1) 3. 4) 4. 4) 5. 3) 6. 5)  
 7. 4) 8. 8) 9. 5) 10. 5) 11. 1) 12. 3)  
 13. 2) 14. 3) 15. 5) 16. 5) 17. 3) 18. 3)  
 19. 4) 20. 5) 21. 3) 22. 4) 23. 3) 24. 2)  
 25. 4) 26. 1) 27. 1) 28. 5) 29. 3) 30. 5)

## Reasoning

Direction (31-35) :- Study the conclusion and select the appropriate answers.

- 1) only conclusion I is true 2) only conclusion II is true.  
 3) Both I and II are true 4) either I or II is true 5) neither I nor II true

31.  $P = A \leq G \geq R < L < K ; K > P ; R > U \Rightarrow K > U$       II  $K > G$   
 32.  $F > M \geq P > H = A \leq S ; I < P > J \Rightarrow I) S < I$       II  $F > H$   
 33.  $F > M \geq P > H = A \leq S ; I < P > J \Rightarrow I) A < M$       II  $J \leq S$   
 34.  $V \geq I = F < W ; F \geq G$       I)  $G < V$       II  $G = V$   
 35.  $P = A \leq G \geq R < L < K ; J < P ; R > U \Rightarrow P \geq L$       II  $R \leq J$ .

Direction (36-40) :- Study the following & answer the questions.

- 2 4 3 7 1 4 6 5 9 7 8 2 4 5 1 6 8 3 7 4 1 9 2 5 3 8 2 4 1 5 6 3 4  
 36. How many such 3's are there in the given arrangement, each of which is immediately followed by a digit which has a numerical value of more than three?

- 1) Three 2) None 3) one 4) more than three 5) Two.

37. Which of the following is eighth to the right of the fifteenth digit from the right end of the given arrangement?

- 1) 8      2) 4      3) 1      4) 9      5) 8

38. How many such 4's are there in the given arrangement each of which is immediately preceded by an even digit and also immediately followed by an odd number?

- 1) Two    2) None    3) Three    4) More than three    5) One.

39. If 2 and all the multiples of 2 are deleted from the given arrangement, which of the following will be twelfth from the left end of the arrangement?

- 1) 1    2) 7    3) 3    4) 9    5) 5

40. How many such 15's are there in the given arrangement, which of the following immediately followed by a perfect square? (Note: 1 is also perfect square).

- 1) Two    2) One    3) Three    4) More than three    5) None.

Direction (41-45):- Study the following & Answer the questions.

A and his other five family members, namely B, C, D, E and F are sitting in a straight line facing north but not necessarily in the same order.

\* A's son sits to the immediate left of A. Only two people sit between A's son and F.

\* Only one person sits between A and B. C is married to B. C sits third to the right of B.

\* A sits second to the right of his father.

\* E is married to F. F is not an immediate neighbour of E.

F is not A's son.

41. Which of the following statements is true regarding D?

1) D is the grandson of B    2) D is the son of F.

3) Only two people sit between D and B's uncle.

4) D is brother of A    5) None of these true.

42. Which of the following represents the position of B from the left end of line?  
 1) Fifth 2) Sixth 3) Fourth 4) First 5) Second.
43. Four of the following five are alike in a certain way and hence from a group as per the given arrangement. which of the following does not belong to that group?  
 1) AF 2) CD 3) FD 4) BA 5) BF
44. Which of the following pairs stand at the extreme ends of the line?  
 1) A's uncle, A's mother 2) D, A's father 3) F, A's Aunt.  
 4) A's uncle, A's ~~father~~ 5) F, D
45. What is the position of C with respect to A's son?  
 1) second to the right 2) second to the left 3) third to the right  
 4) third to the left 5) fourth to the left
- irection (46-50) :- solve the conclusions logically from the given statements.
- 1) only conclusion I follow 2) only conclusion II follow.  
 3) Both I and II follows 4) Either I or II follow 5) Neither I Nor II follow.
46. statements : All subjects are topics      no topic is a lecture.  
 conclusions : I) some subjects being lectures is a possibility  
 II) All topics are subjects.
47. statements : All pencils are erasers      All staplers are erasers.  
 conclusion : I) All erasers are pencils  
 II) Some pencils being staplers are is a possibility.
48. statements : Some books are libraries      All libraries are colleges.  
 conclusion : I) Some colleges are books  
 II) Some libraries are definitely not books.
49. statements : Some soups are toasts      Some toasts are breads.  
 conclusion : I) No bread is soup  
 II) At least some breads are soups.

50. statements : NO animal is a bird some birds are reptiles.

Conclusion : I) NO animal is a reptile

II) All reptiles are birds.

Direction (51-55) : Study the information & Answer the questions.

Eight persons from eight different banks viz. A, B, C, D, E, F, G & H are sitting around a circular table facing the centre but not necessarily in the same order. Each one of them is from a different bank viz. UCO, oriental Bank, Bank of maharashtra, canara bank, syndicate bank, punjab national bank, bank of india and Dena bank.

F sits second to right of the representative from canara bank. The one from bank of india is an immediate neighbour of the representative from canara bank. Two people sit between the one from bank of india and B. C and F are immediate neighbours of either B or the representative from canara bank. The one from bank of maharashtra sits second to right of D. D is neither the one from canara bank nor bank of india. G and the representative from UCO bank are immediate neighbours of each other. B is not the representative of UCO bank. only one person sits between C and the representative from oriental bank of commerce.

H sits third to left of the one from Dena bank. the one from punjab national bank sits second to the left of the one from syndicate bank.

51. who among the following sit exactly between B and the one from bank of india ?

1) A and the one from UCO bank. 2) F and G 3) H and one from bank of maharashtra.

4) H and G 5) Representatives from syndicate bank and oriental bank.

52. Who among the following is representative from oriental bank?

- 1) A    2) C    3) H    4) G    5) D

53. Four of the following five are alike. which does not belong to that group

- 1) H - UCO Bank    2) A - Canara Bank    3) D - Bank of maharashtra.  
4) F - Syndicate Bank    5) F - Punjab National Bank.

54. Who among the following sits second to left of B?

- 1) C    2) H    3) The one from canara bank    4) The one from Punjab National Bank.  
5) G.

55. Which of the following is true?

- 1) B is the one from Bank of maharashtra  
2) C sits second to right of H.  
3) The representative from Dena bank sits immediate left of the one from UCO bank.  
4) A sits second right of Bank of maharashtra.  
5) Bank of maharashtra and syndicate banks are immediate neighbours

Direction (56-60): Read the following and answer the question:

Seven friends namely G, H, I, J, K, L and M buy seven different gadgets namely, mobile, laptop, camera, walkman, bluetooth, GPS and ipod. not necessarily in the same order from Monday to Sunday (of the same).

H buys gadget on wednesday. only one person buys gadget between H and the one who buys ipod. only one person buys gadget between the one who buys ipod and the one who buys mobile. only two people buy gadget between the one who buys mobile and L. M buys gadget immediately before G. Neither M nor G buys ipod. only two people buy gadget between M and the one who buys laptop. L does not buy laptop. only four people

buy gadget between J and the one who buys GPS. J does not buy gadget on Sunday. The one who buys camera buys gadget immediately after the one who buys Bluetooth. K neither buys Walkman nor Laptop. K does not buy gadget on Tuesday.

56. On which of the following days does L buy a gadget?

- 1) Saturday
- 2) Thursday
- 3) Monday
- 4) Sunday
- 5) Tuesday

57. Four of the following five are alike. Which does not belong to the group?

- 1) H-Walkman
- 2) I-Laptop
- 3) J-Camera
- 4) G-GPS
- 5) K-Mobile

58. Who among the following buys Bluetooth?

- 1) H
- 2) I
- 3) J
- 4) K
- 5) M

59. As per the given arrangement K is related to the one who buys Camera in a certain way and G is related to the one who buys Walkman in the same way. To which of the following is M related to in the same way?

- 1) The one who buys Bluetooth
- 2) The one who buys Laptop
- 3) The one who buys GPS
- 4) The one who buys iPod
- 5) The one who buys Laptop

60. Which of the following gadgets does I buy?

- 1) None
- 2) Camera
- 3) iPod
- 4) Mobile
- 5) Laptop

Direction(61-62): Read the information and answer the questions.

P is the father of D. D is the only son of T. T is the daughter of J. T is the mother of G. G is the sister of V.

61. If J is married to B then how is B related to G?

- 1) Can't determine.
- 2) Mother
- 3) Daughter-in-law
- 4) Son-in-law
- 5) Father

62. How is V related to P?

- 1) Mother
- 2) Son
- 3) Daughter
- 4) Father
- 5) Can't determine.

63. in a straight line of twelve people (All facing North). C sits sixth from the right end of the line. only three people sit between c and m. only two people sit between m and x. B sits second to the right of x. how many people sit between B and C?

- 1) Six 2) Three 3) Five 4) Can't determined 5) Two

64. All the letters of the word HALFTIME are arranged in alphabetical order from left to right. Then all the vowels are replaced with the next alphabet (as per the English alphabetical order), then which of the following will be the second letter from the left end?

- 1) B 2) F 3) H 4) L 5) M

65. in a certain code language word 'PROUD' is written as '#652&' and the word 'ROPE'S' is written as '65#%7'. How is the word 'DROPS' written in this code?

- 1) &6%57 2) &65#7 3) &657# 4) 7#56& 5) 7%56#

### REASONING Answers

31. 3)

32. 2)

33. 1)

34. 4)

35. 5)

36. 4)

37. 1)

38. 3)

39. 4)

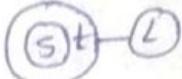
40. 1

Direction :- F B D A C E  
 (41-45) 1 2 3 4 5 6  
 Father son mother  
 A's A's A's

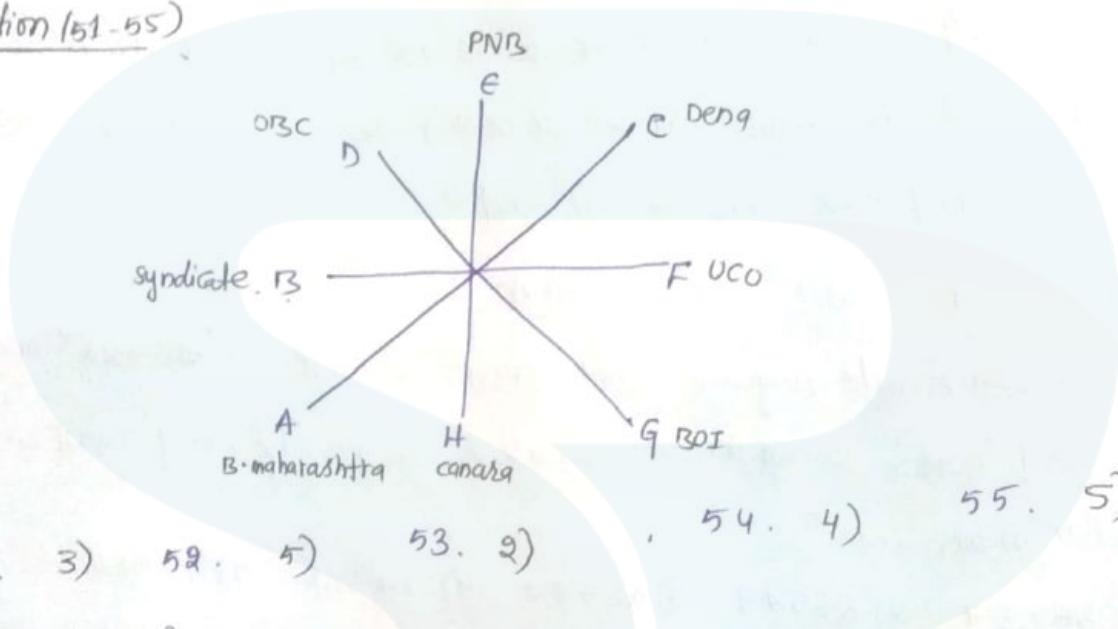
C = B+      E = F  
 |  
 A  
 |  
 D+

41. 1) 42. 5) 43. 2) 44. 3) 45. 1)

Direction (46-50) :-

46. 5) 
47. 2) 
48. 1) 
49. 4) 
50. 5) 

Direction (51-55)



Direction (56-60)

M - J - Bluetooth

T - I - Camera

W - H - laptop

Th - L - Walkman

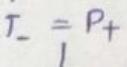
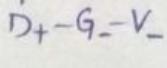
F - K - ipod

S - M - GPRS

S4 - G - mobile

56. 8)    57. 5)    58. 3)    59. 2)    60. 2)

Direction (61-62)

61. 1) 
62. 3) 
63. 4) 
64. 2) AEFHILMRT  
BFFHJLMNT

65. 2)

PROUD → #652 &

ROPEs → 65#1, 7

DROPS → & 65#7.

## Numerical Ability

Direction (66-70) : solve the equations and choose the Appropriate answer.

- 1)  $x > y$     2)  $x < y$     3)  $x \geq y$     4)  $x \leq y$     5) can't be established.

66. I.  $x^2 - 8x + 15 = 0$

II.  $y^2 - 7y + 10 = 0$

67. I.  $x^2 + 7x + 12 = 0$

II.  $y^2 + 12y + 35 = 0$

68. I.  $2x^2 + 19x + 44 = 0$

II.  $2y^2 + 7y + 3 = 0$

69. I.  $2x^2 + 9x + 9 = 0$

II.  $2y^2 + 15y + 28 = 0$

70. I.  $2x^2 - 13x + 18 = 0$

II.  $y^2 - 18y + 45 = 0$

Direction (71-75) : what will come in place of ? mark.

71.  $\frac{512 \times 5 \times \sqrt[3]{8^2}}{\sqrt{3200}} = ?$  1)  $128\sqrt{2}$  2) 182 3)  $120\sqrt{2}$  4)  $242\sqrt{3}$  5) 152

72.  $343.42 + 22.04 - 73.02 - ? = 146$  1) 142.24 2) 146.44 3) 96.26 4) 76 5) 82.74

73.  $(1943 + 629) \div 36 \times 25 = 459 + ?$  1) 921 2) 725 3) 643 4) 741 5) 841  
1) 105 2) 180 3) 190 4) 76 5) 192

74.  $72^2 + 24^2 = ? \times 32$

75.  $1001 \div 11 \times 60 \% \text{ of } 50 + ? = 3000$  1) 184.5 2) 221 3) 350.25 4) 250 5) 270

Direction (76-80) : what will come in place of question mark (?).

76. 10    11    26    87    364    ?

- 1) 1905    2) 1645    3) 1720    4) 1845    5) 1552

77. 25    30    65    200    805    ?

- 1) 4130    2) 4212    3) 4184    4) 4024    5) 4030

76. 80 58 68 76 80 ?

- 1) 55 2) 88 3) 82 4) 62 5) 74

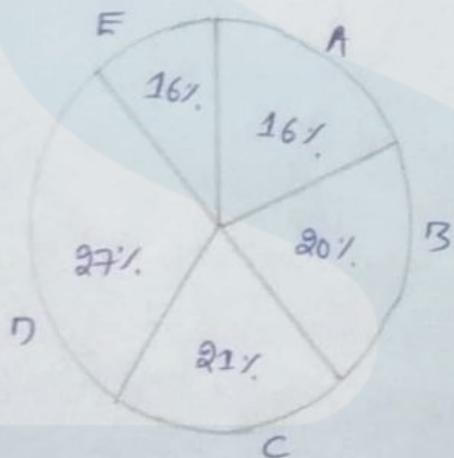
77. 15 20 41 86 163 ?  
1) 280 2) 260 3) 350 4) 380 5) 300

78. 4 8 32 192 ?  
1) 1567 2) 1860 3) 1776 4) 1536 5) 1682

Direction (81-86) : Refer the pie charts and answer the questions.

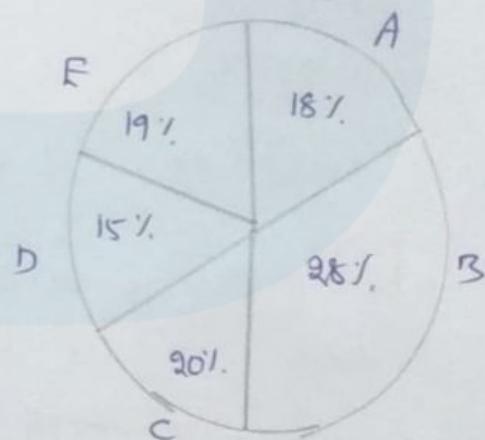
distribution of number of  
students (both male and female)  
in fire management institutes  
in 2011.

Total number : 3300.



distribution of number of  
male students in fire mana-  
gement institutions in 2011.

Total number : 1800



81. What is the central angle corresponding to number of students (both male and female) in institute A ?

- 1) 51.2° 2) 55.2° 3) 57.6° 4) 61.6° 5) 63.4°

82. Number of male students in institute F is approximately what percent more than the number of female students in institute A ?

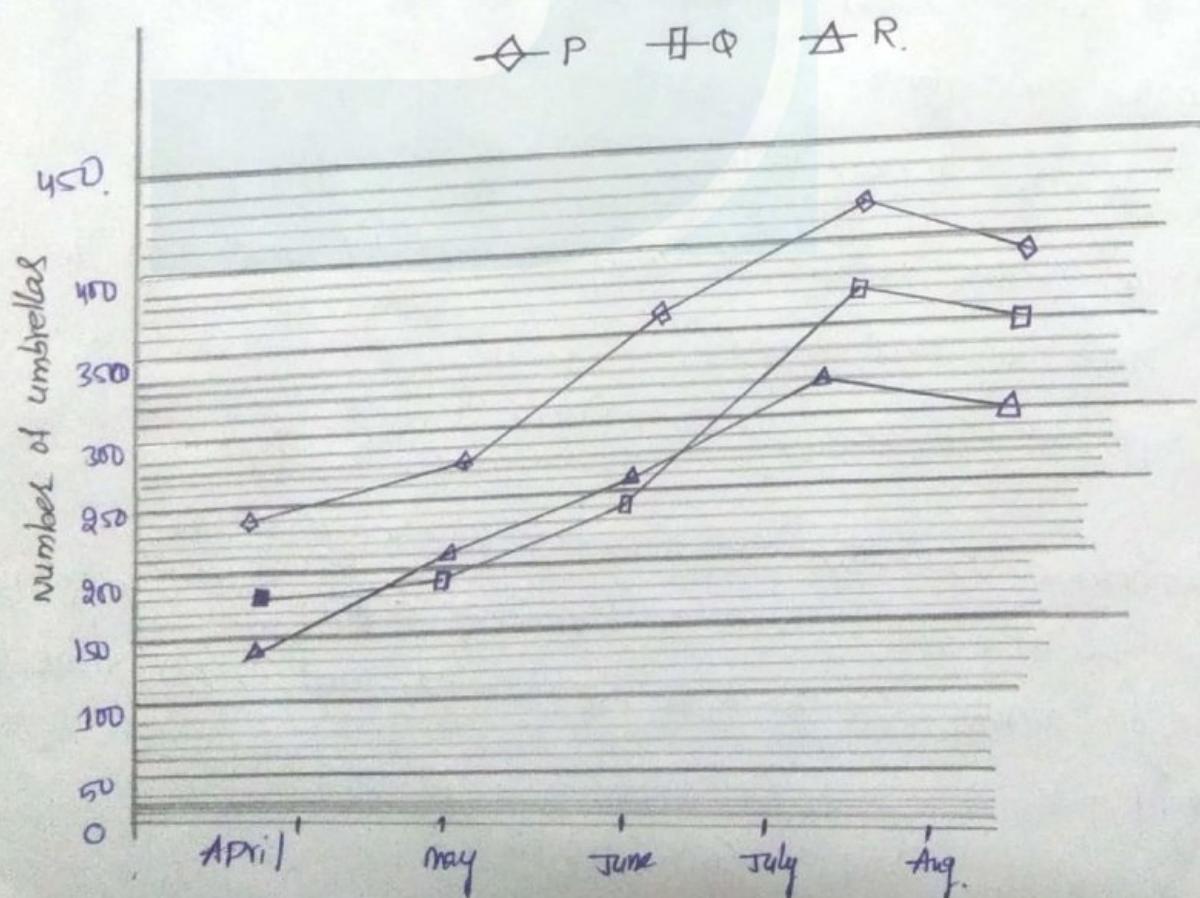
- 1) 88 2) 55 3) 68 4) 78 5) 60

83. Number of female students in institute B is what percent of the number of male students in institute D ?

- 1)  $55\frac{5}{9}$  2)  $63\frac{1}{9}$  3)  $59\frac{4}{9}$  4)  $65\frac{8}{9}$  5)  $57\frac{7}{9}$

84. Number of female students in institute B is
85. What is the difference between total number of female students in institutes C and D together and number of students (both male and female) in institute E?
- 1) 426    2) 414    3) 424    4) 388    5) 396
85. What is the average number of male students in institute A, B, F?
- 1) 382    2) 394    3) 390    4) 388    5) 396.
86. Number of students (both male and female) in institute F increased by 25% from 2011 to 2012. If the respective ratio of number of male and female students in 2012 in institute F is 5:6, what is the number of female students in institute F in 2012?
- 1) 420    2) 360    3) 396    4) 324    5) 300

Direction (87 - 92) : Data regarding number of umbrellas sold by 3 shops P, Q and R in five months in year 2014:



87. what is the respective ratio between the total number of umbrellas sold by shop Q in July and August together and that sold by shop R in the same months together?

- 1) 23:18    2) 23:15    3) 25:18    4) 36:31    5) 39:31

88. Number of umbrellas sold by shop Q in May is approximately what percent less than sold by same shops in June?

- 1) 30    2) 21    3) 9    4) 39    5) 11

89. Number of umbrellas sold by shop R in May is what percent more than the number of umbrellas sold by the same shop in April?

- 1) 30    2) 70    3) 50    4) 95    5) 60

90. What is the difference between the total number of umbrellas sold in the month of April by shops P and Q together and that in the month of May by the same shops together?

- 1) 50    2) 60    3) 20    4) 40    5) 30

91. Number of umbrellas sold by shop R in the month of June is what percent of the total number of umbrellas sold by shops P and Q together in the same month?

- 1)  $40\frac{1}{6}$     2)  $30\frac{1}{4}$     3) 50    4)  $43\frac{1}{3}$     5) 30.

92. What is the Average number of umbrellas sold by shop P in the months - June, July and August?

- 1) 350    2) 390    3) 370    4) 250    5) 290

93. In a competitive exam there are 5 papers. The average score of Pinky in first three papers is 64 and his average score in last three papers is 85. If his average score for all the papers is 75, what is his score in the third paper?

- 1) 68    2) 78    3) 76    4) 66    5) 72

94. A started a business by investing Rs. 32,000. After 4 months B and C joined him with an amount of Rs. 26,000 and Rs. 18,000 respectively. If they earned annual profit of Rs. 62,928. What was B's share?

- 1) 17,784 2) 18,026 3) 15,244 4) 16,992 5) 17,978.

95. Every year Sushma gives 25% of his yearly salary to his son and 15% to each of his two daughters. She spends 40% of the remaining yearly salary on buying groceries and rest of the salary he deposits in his bank account. If in an year he is able to deposit ~~Rs 1,52,685~~ in his bank account, how much money did he give to his ~~son~~ in an year?

- 1) 1,34,245 2) 2,15,825 3) 8,12,250 4) 1,10,920 5) 1,41,375

96. A boat can cover 4km upstream in 16 minutes if the speed of the stream is 2.5 kmph. How much distance (in km) can the boat cover downstream in 4 hours?

- 1) 50 2) 72 3) 80 4) 76 5) 74.

97. The diameter of a wheel is 35m. How many revolutions will it make to cover distance of 2090 m?

- 1) 17 2) 23 3) 27 4) 29 5) 29.

98. Raj is older than Simran by 5 years. 2 years from now the respective ratio between Raj's age and Simran's age will be 4:3. What will be Simran's age after 13 years?

- 1) 42 2) 26 3) 18 4) 15 5) 36.

99. A train 380 m long takes 36 seconds to cross a man running at a speed of 6 kmph in the direction opposite to that ~~of~~ of the train. What is the speed of the train? (in km/h).

- 1) 25 km/h 2) 30 km/h 3) 38 km/h 4) 83 km/h 5) 20 km/h

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100. 15 men can complete a piece of work in 8 days. Three days after they started working, 3 more men joined them. How many more days will they now take to complete the remaining work?

- 1)  $7\frac{1}{4}$  days   2)  $6\frac{1}{5}$  days   3)  $3\frac{1}{8}$  days   4)  $5\frac{2}{3}$  days   5)  $4\frac{1}{6}$  days.

Numerical Ability Answers

66. 5)

$$\begin{array}{r} 15 \\ \times 3 \\ \hline 45 \end{array}$$

$$5 = 5$$

$$5 > 2$$

$$3 < 5$$

$$3 > 2$$

69. 1)

$$\begin{array}{r} 18 \\ \times 3 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 21 \\ \times 7 \\ \hline 147 \end{array}$$

$$-3 > 4$$

$$-3 > -1\frac{1}{2}$$

$$-3\frac{1}{2} > -4$$

$$-3\frac{1}{2} > -1\frac{1}{2}$$

67. 1)

$$\begin{array}{r} 12 \\ \times 3 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 35 \\ \times 7 \\ \hline 245 \end{array}$$

$$-4 > -7$$

$$-4 > -5$$

$$-3 > -7$$

$$-3 > -5$$

70. 5)

$$\begin{array}{r} 2192 \\ \times 4 \\ \hline 8768 \end{array}$$



$$8 < 15$$

$$8 < 3$$

$$9 < 15$$

$$9 > 3$$

68.

2)

$$\begin{array}{r} 8114 \\ \times 2 \\ \hline 1622 \end{array}$$

$$\begin{array}{r} 8131 \\ \times 2 \\ \hline 1622 \end{array}$$

$$-4 < -3$$

$$-4 < -\frac{1}{2}$$

$$-1\frac{1}{2} < -3$$

$$-1\frac{1}{2} < -\frac{1}{2}$$

71. 1)

72. 2)

73. 5)

$$= \frac{512 \times 5 \times 3\sqrt[3]{64}}{40\sqrt{2}}$$

$$= \frac{512 \times 5 \times 4}{40\sqrt{2}}$$

$$= 198\sqrt{2}$$

$$+ 343.42 + 29.04 - 73.09 - x = 146$$

$$\Rightarrow x = 146.44$$

$$= \frac{1943 + 62.9}{36} \times 2.5 = 459.7$$

$$\Rightarrow x = 84.7$$

74. 2)

75. 5)

$$\Rightarrow 72^2 + 24^2 = n \times 32$$

$$\frac{1001}{11} \times \frac{60 \times 50}{100} + x = 3000$$

$$\Rightarrow 5184 + 576 = n \times 32$$

$$91 \times 6 \times 5 + x = 3000$$

$$\Rightarrow x = 180$$

$$x = 970$$

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76. 4)  $\Rightarrow x_1+1, x_2+4, x_3+9, x_4+16, x_5+25$ 77. 5)  $\Rightarrow x_1+5, x_2+5, x_3+5, x_4+5, x_5+5$ 78. 3)  $\Rightarrow 32, 16, 8, 4, 2$ 

$$79. 1) \Rightarrow \underbrace{5, 24, 45, 77}_{16}, \underbrace{117}_{8}, \underbrace{24}_{8}, \underbrace{32}_{8}, \underbrace{40}_{8}$$

80. 4)  $\Rightarrow x_8, x_4, x_6, x_8$ 81. 3)  $\Rightarrow$  central angle  $A = 16 \times 3.6 = 57.6^\circ$ 

$$82. 3) \Rightarrow \begin{cases} e = 100 \rightarrow 1800 \\ 19 \rightarrow 342 \end{cases} \quad \begin{cases} A \text{ for female} \\ i) A \text{ for male} \Rightarrow 18\% = 324 \\ A \text{ for both} \Rightarrow 16\% = 528 \\ A \text{ female} = 598 - 324 \\ = 204 \end{cases} \quad \begin{cases} e - A = \frac{142}{204} \times 180 \\ \approx 68\% \end{cases}$$

$$83. 5) \Rightarrow \text{female of } B = \text{Total - male}$$

$$= 660 - 504 \Rightarrow \frac{156}{520} \times 100 \Rightarrow 57.7\%$$

$$= 156$$

$$84. 1) \Rightarrow e = 16\% = 528$$

$$\text{cfemale} = 339 \quad \Rightarrow 528 - (339 + 62.1)$$

$$\Rightarrow \text{female} = 62.1 \quad = 49.6\%$$

$$85. 3) \text{ Avg} = \frac{18\% + 28\% + 19\%}{3} = 29\%$$

$$86. 2) \quad \begin{cases} 100 \rightarrow 528 \\ 185 \rightarrow 660 \end{cases} \quad \begin{cases} 5:6 = 660 \\ 11 \rightarrow 660 \\ 6 \rightarrow 360 \end{cases}$$

87. 4)  $\Rightarrow Q = \frac{870}{1350} : R = \frac{320}{300} \Rightarrow 36 : 32$ .

88. 2)  $\Rightarrow Q_{\text{May}} = 190 \Rightarrow \frac{Q_{\text{June}} - 190}{190} = \frac{50}{940} \times 100 \approx 21\%$   
 $Q_{\text{June}} = 240$

89. 3)  $\Rightarrow R_{\text{May}} = \frac{810}{R_{\text{April}}} = \frac{810 - 140}{140} = \frac{70}{140} \times 100 \Rightarrow 50$ .

90. 1)  $\Rightarrow P, Q \text{ April} = P, Q \text{ May} = 50$

91. 4)  $\Rightarrow \frac{R_{\text{June}}}{P+Q_{\text{June}}} \times 100 = 43\frac{1}{3}$

92. 2)  $\Rightarrow \text{Avg } P = \frac{\text{June} + \text{July} + \text{Aug}}{3} = 390$ ,

93. 5)  $\Rightarrow \text{3rd rapeseed} = (\text{Avg of first three}) - (\text{Avg of } \cancel{first} \text{ three}) - (\text{Avg of next three})$   
 $= 375 - 192 - 255 \Rightarrow \underline{\underline{72}}$ .

94. 1)  $\Rightarrow 32 : 8 \times 26 : 8 \times 18 \Rightarrow 24 : 13 : 9 \Rightarrow 46 \rightarrow 62, 928$   
 $13 \rightarrow 17, 784$ .

95. 5)  $\Rightarrow 55\% \text{ remain } 45\% \text{ of } 40 \Rightarrow 40 \times \frac{40}{100} = 18\% \Rightarrow 97 \rightarrow 1, 52, 685$   
 $45 \rightarrow 1, 41, 375$

96. 3)  $\Rightarrow x-y = \frac{4}{10} \times 60 \Rightarrow x-2.5 = 15 \Rightarrow x = 17.5 \Rightarrow (x+y) \times \frac{1}{2} = (17.5 + 2.5) \times 4 = 7 \Rightarrow 80 \text{ km}$ .

97. 5)  $\Rightarrow 2\pi r \times \text{no. of revolution} = \text{distance} \Rightarrow 2 \times \frac{22}{7} \times \frac{35}{2} \times 7 = 2090 \Rightarrow r = \frac{418}{22} = \underline{\underline{19}}$ .

98. 2)  $\Rightarrow R-S = 5 \Rightarrow 4:3 \rightarrow 1-5$   
 $4 \rightarrow 90$   
 $3 \rightarrow 15$   $\Rightarrow \text{present} = 13 \Rightarrow \text{After } 13 \text{ yrs} \approx 26 \text{ yrs}$ .

99. 3)  $\Rightarrow S_1 + S_2 = \frac{380}{36} \times \frac{18}{5} \Rightarrow S_1 + 6 = 38 \Rightarrow S_1 = 32 \text{ kmph}$

100. 5)  $\Rightarrow 15 \times 5 = 18 \times D_2 \Rightarrow D_2 = 4\frac{1}{6} \text{ days}$ .