

Special IBPS MOCK-5 By Alok Sir

QUANTITATIVE APTITUDE

Directions (1-5) : What value should come in the place of question mark (?) in the following questions ?

1. $(11)^2 + (9)^2 - (14)^2 + ? = 3^2$
(a) 6 (b) 7 (c) 1
(d) 3 (e) None of these
2. $0.5 \times 3.9 \div 1.3 = ? + 0.5$
(a) .01 (b) 0.1 (c) 0.2
(d) 1.0 (e) None of these
3. $\frac{15}{31} \div \frac{90}{186} \times \frac{729}{9} = (?)^2$
(a) ± 1 (b) ± 3 (c) ± 9
(d) ± 6 (e) None of these
4. 81% of 2300 – 34% of 596 = ?
(a) 1060.63 (b) 1060.36 (c) 1660.36
(d) 1006.63 (e) None of these
5. $3.1 \times 2.6 \times 1.5 = ?$
(a) 12.09 (b) 12.05 (c) 12.03
(d) 12.07 (e) None of these
6. $\left(\frac{144}{16} \times \frac{828}{9}\right) = ? + 325$
(a) 530 (b) 535 (c) 505
(d) 513 (e) None of these
7. $9352 - 2569 + 7153 = 13900 + ?$
(a) 9 (b) 81 (c) 25
(d) 36 (e) None of these
8. 23% of 1360 = ?
(a) 394.7 (b) 347.9 (c) 379.4
(d) 374.9 (e) None of these
9. $73 + 238 \div 14 - 71 = ?$
(a) 16 (b) 15 (c) 13
(d) 19 (e) None of these
10. $\sqrt{576} + \sqrt{841} = ?$
(a) 53 (b) 41 (c) 51
(d) 43 (e) None of these
11. $71 + 897 \div 13 \times 3 = ?$
(a) 276 (b) 273 (c) 278
(d) 271 (e) None of these
12. $190 \times 38 \div 4 = ?$
(a) 1850 (b) 1508 (c) 1805
(d) 1085 (e) None of these
13. $\frac{7}{5}$ of $\frac{30}{63}$ of $\frac{558}{3} = ?$
(a) 122 (b) 142 (c) 144
(d) 128 (e) None of these
14. $4.3 + 43.34 + 34.43 + 43.34 + 3.4 = ?$
(a) 189.2 (b) 129.8
(c) 128.9 (d) 182.9
(e) None of these

15. $\frac{3}{7}$ of $\frac{497}{249}$ of ? = 639

- (a) 474 (b) 774 (c) 477 (d) 747 (e) None of these

Directions (16-18): Study the following information and answer the questions that follow :

A sum of Rs. 7,740 is to be divided amongst A, B and C in the ratio 7 : 5 : 8 respectively.

16. What is the difference between C's and B's share ?
(a) Rs. 387 (b) Rs. 774 (c) Rs. 1,021
(d) Rs. 591 (e) Rs. 1,161
17. What is the sum of B's and A's share ?
(a) Rs. 4,931 (b) Rs. 4,644 (c) Rs. 5,580
(d) Rs. 5,805 (e) Rs. 5,031
18. How much is A's share ?
(a) Rs. 2,709 (b) Rs. 3,096 (c) Rs. 1,935
(d) Rs. 2,851 (e) Rs. 3,190
19. In how many different ways can the letters of the word 'FRANCE' be arranged ?
(a) 2400 (b) 720 (c) 2005
(d) 5040 (e) None of these
20. How much will a sum of Rs. 7,250 amount to in a span 2 years, at 6 p.c.p.a. rate of compound interest (Rounded off to the nearest integer) ?
(a) Rs. 8,176 (b) Rs. 8,146 (c) Rs. 8,216
(d) Rs. 8,170 (e) Rs. 8,190
21. At what rate of simple interest will Rs. 4,200 amount to Rs. 6,216 in a span of 8 years ?
(a) 5 (b) 3 (c) 6
(d) 4 (e) None of these
22. Cost of 20 pens and 17 pencils is Rs. 418. What is the cost of 60 pens and 51 pencils ?
(a) Rs. 1,251 (b) Rs. 1,257 (c) Rs. 1,227
(d) Rs. 1,221 (e) None of these

Directions (23-27) : Study the following table carefully and answer the questions that follow.

The table represents the total number of students studying courses, P, Q, R, S and T, across eight institutes i.e., A, B, C, D, E, F, G and H.

Courses	Institutes							
	A	B	C	D	E	F	G	H
P	520	410	550	450	570	210	750	450
Q	410	540	610	580	380	550	570	310
R	430	210	590	530	730	510	530	480
S	350	280	570	320	410	480	610	460
T	370	480	380	250	180	370	590	660

23. What is the respective ratio between the total number of students studying in institute A and the total number of students studying in institute H ?
(a) 52 : 59 (b) 52 : 55 (c) 55 : 59
(d) 59 : 61 (e) None of these
24. The number of students studying course Q in Institute B forms what percent of the total number of students in Institute C ?

- (a) 14 (b) 17 (c) 11
(d) 18 (e) 20
25. What is the total number of students who are studying course T across all institutes ?
(a) 3480 (b) 3280 (c) 3420
(d) 3840 (e) None of these
26. The number of students studying course P in institute A forms what percent of the total number of students in institute A ?
(a) 27 (b) 23 (c) 25
(d) 20 (e) 29
27. What is the average number of students studying in institute D ?
(a) 446 (b) 426 (c) 540
(d) 454 (e) None of these
28. What will be the average of the following set scores (Rounded off to the nearest integer)?
46, 54, 62, 68, 56, 29, 58
(a) 45 (b) 59 (c) 62
(d) 48 (e) 53
29. The area of a circle is 3850 square metre. What will be its circumference ?
(a) 233 metre (b) 266 metre (c) 230 metre
(d) 220 metre (e) 249 metre
30. The product of three consecutive numbers is 4080. What is the least number ?
(a) 17 (b) 14 (c) 13
(d) 16 (e) None of these
31. If the perimeter of a rectangle is 180 metre and the difference between the length and the breadth is 8 metre, what is the area of the rectangle ?
(a) 2116 square metre
(b) 2047 square metre
(c) 2090 square metre
(d) 2178 square metre
(e) None of these
32. A and B together can complete a particular task in 6 days. If A alone can complete the same task in 10 days, how many days will B take to complete the task if he works alone ?
(a) 15 (b) 16 (c) 14 (d) 12 (e) None of these

Directions (33-35) : What should come in place of the Question mark (?) in the following number series ?

33. 7, 33, 137, 553, ?, 8873
(a) 1217 (b) 2217 (c) 2117
(d) 2127 (e) None of these
34. 8, 56, 336, 2352, 14112, ?
(a) 98874 (b) 98784 (c) 87894
(d) 84672 (e) None of these
35. 5963 ? 5938, 5913, 5877, 5828
(a) 5932 (b) 5940 (c) 5951
(d) 5954 (e) None of these

REASONING ABILITY

Directions 36-39 : Study the following information carefully and answer the questions given below :

- (i) A, B, C, D, E, F and G are seven persons wearing a shirts of different colours - white, red, black, green, yellow, blue and violet- and trousers of different colours – blue, red, white black, cream, yellow and indigo. The persons,

colour of the shirt and colour of the trousers above are not necessarily in the same order. No person is wearing shirt and trousers of same colour.

- (ii) B is wearing red shirt and is to wearing cream or yellow trousers. D is wearing green shirt and indigo trousers. Colour of A's shirt and F's trousers is same. Colour of E's shirt and C's trousers is same. G is wearing blue shirt and E is wearing blue trousers. F is not wearing any yellow dress. Red and blue is not the combination of shirt and trousers of any of the persons.
36. What is the colour of A's trousers ?
(a) White (b) Cream
(c) Blue (d) Red
(e) None of these
37. What is the colour of G's trousers?
(a) Red (b) Cream (c) White
(d) Indigo (e) None
38. Who wears Violet shirt?
(a) C (b) F (c) C or F
(d) Data inadequate (e) None of these
39. What is the colour of F' shirt ?
(a) Blue (b) violet
(c) green (d) data inadequate
(e) None

Directions 40-42: Four of the following five are alike in a certain way and hence form a group.

Which is the one that does not belong to the group ?

40. (a) Break (b) Change (c) Split
(d) Divide (e) None
41. (a) Train (b) Instruct (c) Educate
(d) Advocate (e) None
42. (a) Extend (b) Higher
(c) Upward (d) Rise
(e) None of these

Directions 43-45: In each of the following questions, there is a certain relation between two given numbers on one side of and one number is given on a another side of white another number is to be found from the given alternatives. Having the same relation with this number as the numbers of the given. Choose the best alternatives.

43. 11 : 145 :: 14 : ?
(a) 155 (b) 198 (c) 226
(d) 238 (e) None of these
44. 3 : 36 :: 5 : ?
(a) 130 (b) 138 (c) 145
(d) 148 (e) None
45. 12 : 5 :: ? : 27
(a) 78 (b) 81 (c) 83
(d) 87 (e) None

46. A, B, C, D, E, F and G are seven members of a family. Each one of them has a different profession-doctor, teacher, lawyer, engineer, architect, CA and banker and their incomes are different. There are two married couples in the Group. C is the doctor and earns more than the engineer and the lawyer. E is married to the CA and she earns the least. No lady is either lawyer or engineer. B, the teacher earns less than A, the banker. G is married to B and t he earns more than D and A. F is not the lawyer. The CA earns less than the lawyer but more than the banker. Which of the following is a pair of married couple ?

- (a) F and E (b) D and E
(c) C and E (d) A and B
(e) None of these
47. There is a family of seven persons representing three generations. There are two married couples. Both the wives are housewives and both have two children each. Ramcharan, the lawyer, is the father of Rohit and has two grandchildren. Monica, the doctor, is the sister of the teacher. Sudha's daughter-in-law Asha is married to a teacher. Shikha, the grand daughter of one of the housewives, is studying in the 8th standard. How many female members are there in the family
(a) 2 (b) 4 (c) 5
(d) cannot be determined (e) None
48. Raja is son of Varun's father's sister. Sameer is son of Ganga, who is mother of Jai and grandmother of Varun. Nitin is father of Varsha and grandfather of Raja. Ganga is wife of Nitin. Now is Jai's wife related to Varsha?
(a) Sister-in-law (b) Niece
(c) Sister (d) mother
(e) None of these
49. Rashmi leaves her house and moves 50 m southwards. She then turns to the left and goes another 20 m. Then turns to the north, she moves another 30 m and then starts walking towards her house. In which direction is she walking now?
(a) north (b) north-east
(c) south-east (d) north-west
(e) None of these
50. Ajanta, Bhowmick, Chander, Devika, Imli and Faulad are six friends sitting around a round table for a discussion. Ajanta is to the right of Imli and between Imli and Faulad. Imli is positioned opposite to Devika. Chander is not in the neighbouring seats of Imli, but is a close neighbour of Bhowmick. Who is opposite to Bhowmick?
(a) Devika (b) Ajanta
(c) Faulad (d) Chander
(e) None
51. Khushi moves from her house towards South East, a distance of 7 km. She then moves towards West and travels a distance of 14 km. From here, she moves towards North-west a distance of 7 km and finally she moves a distance of 4 km towards east and stands at that point. How far is Khushi from the starting point to the point where she now stands?
(a) 3 km (b) 4 km
(c) 10 km (d) 11 km
(e) None of these

Directions 52 : Which one of the given response would be a meaningful descending order of the following

2. I. Major II. Captain III. Colonel IV. Brigadier V. Lt. General
(a) V, IV, III, I, I, II (b) V, I, IV, II, III
(c) IV, V, I, III, II (d) III, IV, II, V, I
(e) None of these

Directions 53-54: A series is given, with one/two terms missing. Choose the correct alternative from the given ones that will complete the series

53. 4, 196, 16, 169, ?, 144, 64
(a) 21 (b) 81
(c) 36 (d) 32

- (e) None of these
54. 8, 15, 36, 99, 288,....?....
(a) 368 (b) 676
(c) 855 (d) 908
(e) None of these

Directions 55-57: In questions given below, a statement is followed by reasons I and II. Apply the reasons to the statement and mark your answer as under :

- (a) only I is right
(b) only II is right
(c) both I and II are right
(d) neither I nor II is right
(e) None of these
55. The President sometimes pardons the victims who have been destined to be sent to gas chamber.
I. The President is more kind hearted than the judges.
II. The President is constantly interfering with law.
56. After the bomb blasts, the citizens of Mumbai declared that they were not afraid of terrorist activities.
I. They knew that all the persons involved in such disgraceful activity would be caught by the police
II. They are a brave lot and do not believe in giving up or losing confidence if anti social elements try to frighten them
57. Volunteers often offer their services for scientific and medical experiments that may prove harmful or even fatal.
I. They do not give importance to their life where advancement of science and help to humanity is concerned
II. They are confident that the scientists would somehow save them.

Directions 58-61: Study the following information carefully and answer the given questions.

Eight Colleagues, A,B,C,D,E,F,G and H are sitting around a circular table facing the centre but not necessarily in the same order. Each one of them holds different post viz., Manager, company secretary, chairman, president, vice president, Group leader, Financial advisor and managing director.

A sits third to right of the Managing Director. Only two people sit between the managing director and H. Vice president and the company secretary are immediate neighbours of each other. Neither A nor H is a vice president or a company secretary. Vice president is not an immediate neighbor of the Managing Director. Manager sits second to left of E. E is not an immediate neighbour of H. The manager is an immediate neighbour of both Group leader and the financial Advisor. Financial Advisor sits third to right of B. B is not the vice President. C sits to the immediate right of the chairman. A is not the chairman. F is not an immediate neighbor of A. G is not an immediate neighbor of the manager.

58. Who amongst the following sits third to the left of 'E'?
(a) The manager
(b) G
(c) A
(d) The Financial Advisor
(e) None of these

59. Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group ?
 (a) F-Chairman (b) G-President
 (c) D-manager (d) B- Managing Director
 (e) None of these
60. Who amongst the following is the President of the company ?
 (a) A (b) C (c) H
 (d) G (e) None of these
61. Which of the following is true with respect to the given seating arrangement ?
 (a) The group Leader of the company is an immediate neighbor of the Vice President
 (b) G sits second to right of D
 (c) The Group Leader and The company Secretary are immediate neighbours of each other
 (d) The chairman of the company sits to the immediate left of the Managing director
 (e) None of these

Directions 62-65: In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. 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 from the given statements disregarding commonly known facts.

62. Statements :
 Some trains are cars.
 All cars are branches.
 All branches are nets. Some nets are dresses.
 Conclusions :
 I. Some dresses are cars.
 II. Some nets are trains.
 III. Some branches are trains.
 IV. Some dresses are trains.
 (a) I and III follow (b) II and III follow
 (c) I and IV follow (d) II, III and IV follow (e) None of these
63. Statements : Some pencils are kites.
 Some kites are desks. All desks are jungles.
 All jungles are mountains.
 Conclusions : I. Some mountains are pencils.
 II. Some jungles are pencils.
 III. Some mountains are desks.
 IV. Some jungles are kites.
 (a) I and III follow (b) I, II and III follow
 (c) III and IV follow (d) II, III and IV follow (e) None of these
64. Statements : All papers are clips.
 Some clips are boards.
 Some boards are lenses.
 All lanes are roads.
 Conclusions : I. Some roads are boards.
 II. Some lanes are clips.
 III. Some boards are papers.
 IV. Some roads are clips.
 (a) I and II follows (b) I and III follow
 (c) I, II and III follow (d) II and III follow
 (e) None of these

65. Statements: All pens are clocks. Some clocks are tyres. Some tyres are wheels. Some wheels are buses.
 Conclusions : I. Some buses are tyres.
 II. Some wheels are clocks.
 III. Some wheels are pens.
 IV. Some buses are clocks.
 (a) None follows (b) Only I follows
 (c) Only II follows (d) only III follows
 (e) None of these

Directions 66-67 : In each of these questions choose the missing terms out of the given out of the give alternatives.

66.

8	9	6
6	7	7
5	6	?
43	57	40

- (a) 8 (b) 7 (c) 4.25
 (d) 5.75 (e) None of these

67.

25	16	64
144	?	324
49	36	324

- (a) 18 (b) 256 (c) 81
 (d) 100 (e) None of these

Directions 68-70 : Each of these questions has a statement followed by two conclusions I and II. Consider the statement and the conclusions. Decide which of the conclusions follows from the statement.

Mark Answer as :

- (a) If conclusions I follows
 (b) if conclusion II follows
 (c) if neither conclusion I nor II follows
 (d) if both conclusions follow
 (e) None of these
68. Statement : Contentment makes poor men rich; discontentment makes rich men poor.
 Conclusions :
 I. The real wealth of a person is his virtue and not the money he possesses.
 II. The person loaded with money is respected by all and sundry.
69. Statement : Teaching should be full of ideas instead of being stuffed with facts.
 Conclusions :
 I. Teacher's job is to work according to the set curriculum and not disagrees from it.
 II. Teaching profession has little scope for innovation.
70. Statement:
 Loving is not owning; it is liberation.
 Conclusions :
 I. Possessiveness is not love; it's a psychological problem.
 II. Love cannot flourish in captivity; it needs space to grow.