## Special IBPS MOCK-2 By Alok Sir

### Quantitative aptitude

**Directions (1-3): What will come in place of the question mark(?) in the following questions?**

1. 185 % of 400+35% of 240 =1648% of ?
   (a) 85      (b) 75
   (c) 125      (d) 50
   (e) None of these

2. $\sqrt{24^4} + 224 = ? \times 20^2$
   (a)20      (b) 4
   (C) 2      (d)16
   (e) None of these

3. $12.28 \times 1.5 - 36 \div 2.4 = ?$
   (a) 3.24      (b) 7.325
   (c) 6.42      (d) 4.32
   (e) None of these

**Directions (4-6): What approximate value will come in place of the question mark (?) in the following questions?**

4. 175×28+275×27.98=?
   (a)11800      (b) 12600
   (c) 12800      (d) 11600
   (e)12200

5. 324.995×15.98 ÷4.022 +36.88=?
   (a) 1300    (b)1230    (c)1440
   (d)1380    (e)1340

6. 1164×128÷8.008+969.007=?
   (a)18800    (b) 19000 (c)19600
   (d)19200    (e)18600

**Directions (7-10): What will come in place of the question mark (?) in each of the following series?**

7. 17 52 158 477 ? 4310
   (a) 1433    (b) 1432    (c) 1435
   (d) 1434    (e)None of these

8. 3 22 ? 673 2696 8093
   (a) 133    (b) 155    (c) 156
   (d) 134    (e) None of these

9. 6  13 38  ? 532 2675
   (a) 129    (b) 123    (c) 172
   (d) 164    (e) None of these

10. 286 142 ? 34 16 7
    (a) 66    (b)72    (c) 64
    (d)74    (e) None of these

11. Prakash, Sunil, and Anil started a business jointly investing Rs. 11 lakhs, Rs. 16.5 lakhs and Rs. 8.25 lakhs respectively. The profit earned by them in the business at the end of three years was Rs. 19.5 lakhs. What will be the 50% of Anil's share in the profit?
    (a) Rs. 4.5 laksh    (b) 2.25 lakhs    (c) Rs. 2.5 lakhs
    (d) Rs. 3.75 lakhs    (e) None of these

12. 8 men and 4 women together can complete a piece of work in 6 days. Work done by a man in one day is double the work done by a woman in one day. If 8 men and 4 women started working and after 2 days, 4 men left and 4 new women joined, in how many more days will the work be completed?
    (a)5 days    (b) 8 days    (c) 6 days
    (d) 4 days    (e) 9 days

13. Naresh purchased a TV set for Rs. 11,250 after getting discount of 10% on the labeled price. He spent Rs. 150 on transport and Rs. 800 on installation. At what price should it be sold so that the profit earned would have been 15% if no discount was offered?
    (a)Rs.12937.50    (b) Rs.14,030    (c)Rs.13,450
    (d)Rs.15467.50    (e) None of these

14. Mr. Duggal invested Rs. 20,000 with rate of interest at 20 p. c. p .a. The interest was compounded  half yearly for first year and in the next year it was compounded yearly. What will be the total interest earned at the end of two years?
    (a)Rs. 8,800    (b) Rs. 9,040 (c) Rs.9,800
    (d) Rs.9,900    (e) None of these

15. In how many different ways can the letters of the word DESIGN be arranged so that the vowels are at the two ends?
    (a) 48    (b) 72    (c) 36
    (d) 24    (e) None of these

**Directions (16-20): In each of these questions, a question is given followed by information in three statements. You have to find out the  data in which statements (s) is sufficient to answer the question and mark your answer accordingly.**

16. What is the average age of the six members A,B,C,D,E and F in the family?
    I. Total age of D and E is 14 years.
    II. Average age of A,B,C and F is 50 years
    III. Average age of A,B,C and E is 40 years.
    (a) Only I and II
    (b) Only I and III
    (c) Only II and III
    (d) All I,II and III
    (e) None of these

17. What is the area of the right angled triangle?
    I. Base of the triangle is X cms.
    II. Height of the triangle is Y cms.
    III. Hypotenuse of the triangle is Z cms.
    (a) Only I and II
    (b) Only II
    (c) Only II and III
    (d) Any two of three
    (e) None of these

18. In how many days will B alone complete the work?
    I. A and B together can complete the work in 8 days
    II. B and C together can complete the work in 10 days
    III. A and C together can complete the work in 12 days.
    (a) Only I and II
    (b) Only II and III
    (c) All I,II and III
    (d) Question cannot be answered even with the information in all the three statements
    (e) None of the above

19. What is the rate of interest p.c. p.a.?
    I. An amount doubles itself at simple interest in 10 years.
    II. Difference  between the compound interest and simple interest on an amount of Rs. 15,000 in two year is Rs.150
    III. The compound interest accrued in 8 years is more than the amount(principal).

(a) Only I (b) Only II
(c) Only II and III
(d) Only I and III
(e) Only either I or II
20. What are the marks scored by Abhijit in English ?
   I.   Marks scored by Abhijit in Maths are more than his marks in Science by 20.
   II.  Total marks scored by Abhijit in Maths, science and English are 198.
   III. Marks scored by Abhijit in Science are more than his marks in English by 12.
   (a) only I
   (b) only II
   (c) only II and III
   (d) All the statement
   (e) None of these

**Directions(21-25):Study the following table carefully to answer these questions**

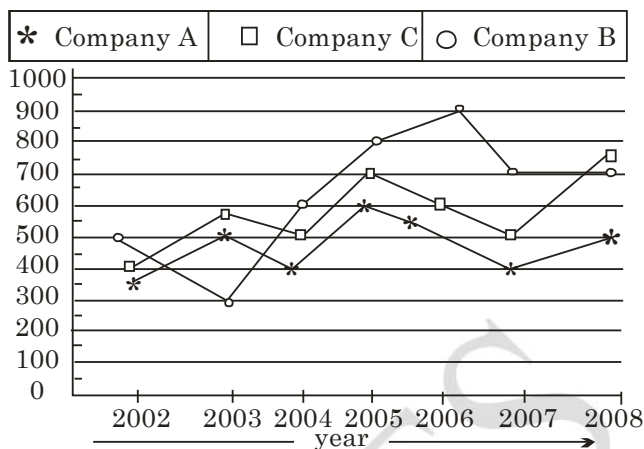|       | A | | B | | C | | D | | E | | E | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|
| Yr./Inst. | * | * | A | P | A | P | A | P | A | P | A | P |
| 2001 | 45 | 6 | 54 | 4 | 30 | 6 | 64 | 5 | 60 | 4 | 68 | 6 |
| 2002 | 52 | 5 | 53 | 7 | 35 | 6 | 62 | 4 | 58 | 7 | 56 | 7 |
| 2003 | 13 | 6 | 49 | 7 | 38 | 5 | 58 | 5 | 68 | 7 | 70 | 6 |
| 2004 | 40 | 6 | 60 | 7 | 45 | 7 | 60 | 7 | 72 | 6 | 78 | 7 |
| 2005 | 48 | 5 | 57 | 5 | 45 | 7 | 70 | 6 | 70 | 4 | 56 | 5 |
| 2006 | 55 | 4 | 45 | 6 | 40 | 6 | 75 | 6 | 45 | 5 | 65 | 6 |
| 2007 | 50 | 5 | 47 | 6 | 50 | 6 | 72 | 7 | 56 | 6 | 72 | 5 |

**A =Appeared
*P   =% passed

21. What is the ratio between the number of students passed from institute F in 2003 and the number of students passed from institute B in 2005 respectively?
   (a) 95: 154       (b) 154: 95
   (c) 94: 155       (d) 155: 94
   (e) None of these
22. What is the ratio between the average number of students appeared from institute A for all the years and that from institute D respectively ?
   (a) 463: 353      (b) 353: 463
   (c) 461: 333      (d) 333: 461
   (e) None of these
23. What is the total number of students passed from all institutes together in year 2006?
   (a) 1895          (b) 1985          (c) 1295
   (d) 1465          (e) None of these
24. What is the overall percentage of students passed from all institutes together in 2004? (rounded off to nearest integer)
   (a) 68            (b) 70            (c) 69
   (d) 71            (e) None of these
25. Approximately, what is the overall percentage of students passed from institute C for all the years?
   (a) 60            (b) 70            (c) 75
   (d) 65            (e) 64

**Directions (26-30): Study the following graph carefully these questions**

Quantity of Wheat (in thousand Tonnes) Exported by three companies over the years)



26. What is the per cent increase in exports of company C from 2004 to 2008?
   (a) 50            (b) 33.33         (c) 150
   (d) 133.33        (e) None of these
27. Total exports of company A for all the years are approximately what per cent of the total exports of company B for all the years?
   (a) 75            (b) 128           (c) 139
   (d) 68            (e) 75
28. Per cent rise in exports from the previous year was the maximum during which year for company B"?
   (a) 2005          (b) 2004          (c) 2006
   (d) 2008          (e) None of these
29. What are the average exports of company B for all the years? (in thousand tonnes rounded off to two digits after decimal)
   (a) 766.67        (b) 667.14        (c) 657.14
   (d) 756.57        (e) None of these
30. What is the ratio between total exports of the three companies in 2003 and 2006 respectively?
   (a) 41: 29        (b) 51:29         (c) 29:51
   (d) 29:41         (e) None of these

**Directions (31-35): Study the following table carefully to answer these questions.**

| | Percentage of Marks obtain by | | | | | |
|------|------|------|------|------|------|------|
| Sub. | His. | Geo. | Math | Scie. | Eng. | Hind. |
| Max. Marks. | 75 | 75 | 100 | 150 | 50 | 60 |
| | Percentage / Students | | | | | |
| A | 82 | 66 | 59 | 76 | 62 | 65 |
| B | 76 | 72 | 65 | 84 | 74 | 75 |
| C | 56 | 78 | 71 | 66 | 86 | 70 |
| D | 64 | 80 | 68 | 72 | 66 | 80 |
| E | 48 | 68 | 83 | 88 | 56 | 60 |
| F | 60 | 74 | 79 | 64 | 80 | 85 |

31. What are the average marks obtained by all the students in Science out of 150?
   (a) 75            (b) 112.50        (c) 108.50
   (d) 78            (e) None of these
32. What are the average marks obtained by all students in Geography?
   (a) 54.25         (b) 54.75         (c) 73
   (d) 71            (e) None of these
33. What is the ratio between total marks obtained by D in Maths, Science and English together and the total marks obtained by F in these subjects together respectively?
   (a) 209: 215      (b) 215: 209      (c) 206: 223
   (d) 223: 206      (e) None of these
34. Marks obtained by C in science are approximately what per cent of his total marks obtained in all the six subjects together?

(a)22                    (b) 16              (b) 20
(d) 18                   (e) 28
35. What are the total marks obtained by 'B' in all the subject together?
    (a) 336              (b) 223             (c) 446
    (d) 273              (e) None of these

# REASONING ABILITY

**Directions (36-40): In these questions, two statements followed by two conclusions numbered I and II have been given. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows from the given statements disregarding commonly known facts.**

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

36. Statements : Some tasks are hurdles. All hurdles are jobs. Some jobs are works.
    Conclusions:
    I.   All works being hurdles is a possibility
    II.  At least some works are tasks.

37. Statements : Some tasks are hurdles. All hurdles are jobs. Some jobs are works.
    Conclusions:
    I.   Some jobs are tasks.
    II   All jobs are tasks.

38. Statements : Some problems are solutions. No solutions is a truck, all rules are trucks
    Conclusions:
    I.   No rule is a solutions
    II.  Some problem are definitely not tricks.

39. Statements : All ministers are deans. Some deans are heads. Some heads are principals.
    Conclusions:
    I.   No principal is a minister
    II.  All heads beings ministers is a possibility.

40. Statements: No queue is a line . Some queues are rows.
    Conclusions:
    I .  No row is a line
    II.  All rows are lines.

**Directions (41-42): Study the following information and answer the given questions.**

D is the father of A. D is married to P.P is the mother of J.P has only one daughter. J is married to U.U is the son of L.

41. How is J related to L?
    (a) Daughter
    (b) Granddaughter
    (c) Cannot-be-determined
    (d) Niece
    (e)Daughter–in-law
42. How is A related to U ?
    (a) Cannot be determined
    (b) Brother-in-law
    (c) Brother
    (d) Sister
    (e) Sister-in-law

**Directions (43-47): Study the given information carefully and answer the given questions.**

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between adjacent persons. In row I-J,K,L,M and N are seated (not necessarily in the same order) and all of them are facing north. In 2nd row R, S,T, U and V are seated (not necessarily in the same order) I and all of them are facing south. Therefore in the given seating arrangement each member seated in a row faces another member of the other row.

V sits at one of the extreme ends of the line. Only two people sit between V and R. The one who faces R sits to the immediate left of L. only one person sits between L and K. the one who faces K sits to the immediate left of L. Only one person sits between L and K. The one who faces K sits to the immediate left of S. N sits second to the right of J. Neither K nor L face U.

43. Who amongst the following is facing M?
    (a) U                (b) R               (c) T
    (d) V                (e) S
44. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which of them does not belong to that group?
    (a) NK               (b) JL              (c) ML
    (d) RU               (e)ST
45. What is the position of U with respect to S?
    (a) third to the right
    (b) Immediate left
    (c) Second to the left
    (d) second to the right
    (e)immediate right
46. Which of the following statement is true regarding N?
    (a) Only two persons sit between N and M
    (b) N sits at an extreme end of the row.
    (c) N faces one of the immediate neighbors of R.
    (d) None of the given statements is true
    (e) L sits to the immediate right of N.
47. Who amongst the following is facing T?
    (a) N                (b) M               (c) K
    (d) J                (e) L

**Directions (48-52): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statement and select the appropriate answer.**

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

48. Statements: $P < L \le A = N \ge E \ge D; Q \ge N < O$
    Conclusions : I. $L \le E$          II. $P < Q$
49. Statements : $P < L \le A = N \ge E \ge D; Q \ge N < O$
    Conclusions : I. $Q \ge D$ II. $A < D$
50. Statements : $P \le U = N \le C \ge H > S; K \ge C$
    Conclusions : I. $P \le C$ II. $U > H$
51. Statements : $P \le U = N \le C \ge H > S; K \ge C$
    Conclusions: I.$K > U$ II. $U = K$
52. Statements : $D \ge I > S \ge M \le A < L$
    Conclusions: I. $D \ge A$ II. $L > I$

**Direction (53-57): Study the given information carefully to answer the given questions.**

In certain code language,
'committee to review papers' is written as 'es fr re pt'
'review meeting in morning' is written as 'ch ba mo fr'
'meeting to appoint members' is written as 're dv ch gi'
'appoint chairman in review' is written as 'mo gi fr yu'

53. What is the code for 'morning' in the given code language?
    (a) mo
    (b) yu
    (c) ch
    (d) other than those given as options
    (e) ba
54. In the given code language, what does the code 'pt' stands for?

(a) appoint
(b) Either 'papers' or 'committee'
(c) morning
(d) review
(e) Either 'for' or members'

55. What is the code for 'review call' in the given code language ?
(a) dv lq          (b) lq gi
(c) lq fr          (d) gi es
(e) fr dv

56. What is the code for 'to' in the given code language?
(a) mo          (b) fr          (c) gi
(d) dv          (e) re

57. If 'appoint' new members' is coded as 'dv wz gi' in the given code language, then what is the code for 'new' chairman meeting'?
(a) wz ch es     (b) ch wz yu     (c) yu mo wz
(d) fr es wz     (e) ch yu fr

**Directions (58-62):Study the given information carefully to answer the given questions.**

C,D,E,F,Q,R and S are sitting around a circular table facing the centre with equal distance between each other (but not necessarily in the same order). Each one of them is also related to D in some way or the other. P sits third to the right of E. D sits to the immediate left of E. Only one person sits between P and D's son. R sits to the immediate right of D's son. Only three people sit between D's husband and R. Only one person sits between D's husband and C.F sits to the immediate right of Q.D's father sits second to the right of F. Only three people sit between D's father and D's brother.

D's daughter sits second to the right of S. D's sister sits third to the right of D's mother.

58. Which of the following statements is TRUE with respect to the given information ?
(a) S is the brother of R.
(b) Only three people sit between Q and S
(c) E sits third to the right of D's daughter
(d) All the given option are true
(e) R is an immediate neightbour of D.

59. Who amongst the following is the brother of D?
(a) Q          (b) E          (c) F
(d) C          (e) R

60. As per the given sitting arrangement, Q: P in the same way as R:E. Then following the same pattern D:?
(a) R          (b) S          (c) Q
(d) C          (e) F

61. Who sits to the immediate left of D's son?
(a) D's father     (b) R          (c) Q
(d) S          (e) D's mother

62. How is Q related to P?
(a) sister     (b)sister-in-law (c) Niece
(d) Brother-in-law     (e) Aunt

**Directions (63-65): Read the given information carefully and answer the given questions.**

Each of the six buses R,S,T,U,V and W has different number of occupants. T has more number of participants than R and S but less than V. U has less number of occupants than only W. S does not have the lowest number of occupants The bus having second lowest number of occupants has 20 occupants and the

bus having second highest number of occupants has 64 occupants. T has 21 less number of occupants than U.

63. Which of the following buses has third lowest number of occupants?
(a) S          (b) T          (c) R
(d) U          (e) V

64. If the number of occupants of bus R is more than 7 and is and odd number which is divisible by 3 but not 5, how many occupants are here in bus R?
(a) 9          (b)21          (c) 15
(d) 27          (e) 19

65. How many occupants does bus V possibly have?
(a) 43          (b) 72          (c) 52
(d) 36          (e) 68

**Direction (66-70): Study the following information and answer the questions:**

Seven people namely M,N,O,P,Q,R and S have an anniversary but not necessarily in the same order, in seven different months (of the same year) namely February, March, April, June, September, October and November. Each of them also likes a different flower namely Rose, Jasmine, Lily, Marigold, Daffodil, Sunflower and Orchid but not necessarily in the same order.

R has an anniversary in the month which has more than 30 days. Only one person has an anniversary between R and the one who likes rose. Both S and O have an anniversary in one of the months after the one who likes Rose. S has an anniversary immediately before O. The one who likes Lily has an anniversary in the month which has less than 30 days. Only three people have an anniversary between the one who likes Lily and the one who likes Orchid. Only two people have an anniversary between S and the one who likes Marigold. P has an anniversary immediately after the one who likes Marigold. Only two people have an anniversary between P and Q. M has an anniversary immediately before the one who likes Jasmine. O does not like Sunflower.

66. Which of the following represents the month in which S has an anniversary?
(a) Cannot be determined     (b) October
(c) march          (d) April
(e) September

67. Which of the following does O like?
(a) Rose          (b) Jasmine
(c) Marigold          (d) Daffodil
(e) Orchid

68. As per the given arrangement, Lily is related to April and Marigold is related to September following a certain pattern which of the following is Orchid related to following the same pattern?
(a) February     (b) June          (c) October
(d) November     (e) March

69. Which of the following represents the people who have an anniversary in April and November respectively?
(a) N ,M          (b) Q,M (C) Q,O
(D) N,O          (E) N,S

70.How many people have an anniversary between the months in which Q and M have an anniversary?
(a) none          (b) One          (c) three
(d) two          (e) more than three