

# Reserve Bank of India

Grade 'B' Officers Exam, December 2011

## Question Paper

### Quantitative Aptitude

**Directions (Qs. 1 - 5):** What will come in the place of question mark (?) in the following questions?

1.  $[(3024 \div 189)^{1/2} + (684 \div 19)^2] = (?)^2 + 459$

- 1) -27                      2) -29                      3) 31                      4) 841                      5) 1089

2. 4.4 times of  $\frac{5}{16}$  of 30% of 216 = ?

- 1) 81.9                      2) 83.7                      3) 87.3                      4) 89.1                      5) None of these.

3.  $(0.0729 \div 0.1)^3 \div (0.081 \times 10)^5 \times (0.3 \times 3)^5 = (0.9)^{?+3}$

- 1) 1                      2) 2                      3) 4                      4) 7                      5) None of these

4.  $(\sqrt{? \%} \text{ of } \sqrt{1764} \times 5) = 149.8 - 112$

- 1)  $\sqrt{18}$                       2) 18                      3) 324                      4) 24                      5) None of these

5.  $(27)^2 \times 6 \div 9 + (7)^3 + 71 = (?)^3 - 431$

- (1) 11                      2)  $(13)^3$                       3) 13                      4)  $(11)^2$                       5) None of these

**Directions (Qs. 6- 10):** In these questions three equations numbered I, II and III are given. You have to solve all the equations either together or separately, or two together and one separately, or by any other method and—

- | Give answer | if   |
|-------------|--|
| 1)          | $x < y = z$  |
| 2)          | $x \leq y < z$   |
| 3)          | $x < y > z$  |
| 4)          | $x = y > z$  |
| 5)          | $x = y = z$ or if none of the above relationship is established. |

6. I.  $7x + 6y + 4z = 122$

II.  $4x + 5y + 3z = 88$

III.  $9x + 2y + z = 78$

7. I.  $7x + 6y = 110$   
II.  $4x + 3y = 59$   
III.  $x + z = 15$
8. I.  $x = \sqrt{[(36)^{1/2} \times (1296)^{1/4}]}$   
II.  $2y + 3z = 33$   
III.  $6y + 5z = 71$
9. I.  $8x + 7y = 135$   
II.  $5x + 6y = 99$   
III.  $9y + 8z = 121$
10. I.  $(x + y)^3 = 1331$   
II.  $x - y + z = 0$   
III.  $xy = 28$

**Directions (Qs. 11 - 15):** What will come in place of question mark (?) in the following number series?

11. 17 19 33 (?) 129 227  
1) 64                      2) 73                      3) 67                      4) 72                      5) None of these
12. 35 256 451 620 763 (?)  
1) 680                      2) 893                      3) 633                      4) 880                      5) None of these
13. 18 139 868 917 (?) 1051  
1) 1042                      2) 1036                      3) 942                      4) 996                      5) None of these
14. 2890 (?) 1162 874 730 658  
1) 1684                      2) 1738                      3) 1784                      4) 1672                      5) None of these
15. 14 1004 1202 1251.5 1268 (?)  
1) 1267.5                      2) 1276.25                      3) 1324.5                      4) None of these.

**Directions (Qs. 16 - 20):** Study the following information carefully to answer the questions that follow:

There are two Trains, Train-A and Train-B. Both Trains have four different types of coaches viz. general coaches, sleeper coaches, first class coaches and AC coaches. In Train-A there are total 700 passengers. Train-B has thirty percent more passengers than Train-A. Twenty percent of the passengers of Train-A are

in general coaches. One-fourth of the total number of passengers of Train-A are in AC coaches. Twenty three percent of the passengers of Train-A are in sleeper class coaches. Remaining passengers of Train-A are in first class coaches. Total number of passengers in AC coaches in both the trains together is 480. Thirty percent of the number of passengers of Train-B is in sleeper class coaches. Ten percent of the total passengers of Train-B are in first class coaches. Remaining passengers of Train-B are in general class coaches.

16. What is the respective ratio between the number of passengers in first class coaches of Train-A and number of passengers in sleeper class coaches of Train-B?

- 1) 13 : 7                      2) 7 : 13                      3) 32 : 39  
4) Data Inadequate                      5) None of these

17. What is the total number of passengers in the general coaches of Train-A and the AC coaches of Train-B together?

- 1) 449                      2) 459                      3) 435                      4) 445                      5) None of these.

18. What is the difference between the number of passengers in the AC coaches of Train-A and total number of passengers in sleeper class coaches and first class coaches together of Train-B?

- 1) 199                      2) 178                      3) 187                      4) 179                      5) None of these.

19. Total number of passengers in general class coaches in both the trains together is approximately what percentage of total number of passengers in Train-B?

- 1) 35                      2) 42                      3) 46                      4) 38                      5) 31

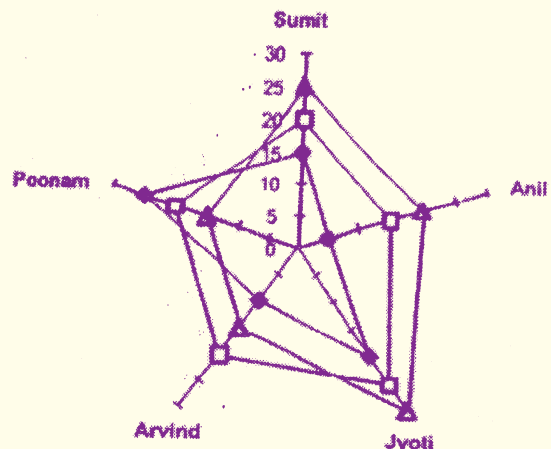
20. If cost of per ticket of first class coach ticket is Rs.450/-. What total amount will be generated from first class coaches of Train-A?

- 1) Rs.1,00,080                      2) Rs.1,08,000                      3) Rs.1,00,800  
4) Rs.10,800                      5) None of these.

**Directions (Qs. 21 - 25): Study the radar graph carefully and answer these questions:**

Monthly salary (in thousands) of five different persons in three different years

- ◆ – 2008  
□ – 2009  
△ – 2010



21. What was the average monthly salary of Sumit in the year 2008, Anil in the year 2009 and Jyothi in the year 2010 together?

- 1) Rs. 20,000      2) Rs. 25,000      3) Rs. 45,000  
4) Rs. 15,000      5) None of these

22. Total monthly salary of Arvind in all the year together was what percent of the total monthly salary of all the five persons together in the year 2008?

- 1) 55      2) 60      3) 75      4) 70      5) None of these

23. Among the five persons whose earning per month over all the years together is second lowest?

- 1) Sumit      2) Anil      3) Jyothi      4) Arvind      5) Poonam

24. What was the percent decrease in monthly salary of Poonam in the year 2009 as compared to her monthly salary in previous year?

- 1) 40      2) 10      3) 20      4) 80      5) None of these

25. If Jyothi's monthly salary in the year 2010 was increased by 30 percent, then what would be her monthly salary in that year?

- 1) Rs. 36,000      2) Rs. 39,000      3) Rs. 45,000  
4) Rs. 42,000      5) None of these

**Directions (Qs. 26 -30): Study the table carefully to answer these questions:**

**Number of animals in grassland of four different countries in five different years**

Year	Country											
	South Africa			China			Sri Lanka			England		
	Tiger	Lion	Bear	Tiger	Lion	Bear	Tiger	Lion	Bear	Tiger	Lion	Bear
1990	145	156	250	320	346	436	280	468	255	423	342	234
1995	134	165	354	445	256	542	354	354	343	368	136	345
2000	120	135	324	583	325	454	433	345	545	354	267	456
2005	110	184	285	466	475	322	343	324	546	562	235	567
2010	160	224	264	411	535	534	535	532	453	349	345	324

26. What was the average number of tigers in grassland of Sri Lanka over all the year together?

- 1) 386                      2) 389                      3) 369                      4) 276                      5) None of these

27. What was the difference between the total number of lions and bears in the grassland of England in the year 2005 and the number of tigers in the grassland of South Africa in the year 1995?

- 1) 597                      2) 558                      3) 677                      4) 668                      5) None of these

28. Total number of animals together in grassland of China in the year 1990 was approximately what percent of total number of bears in the grassland of Sri Lanka over all the years together?

- 1) 44                      2) 56                      3) 41                      4) 47                      5) 51

29. If 35 percent of the total number of animals in the grassland of China in the year 2010 died due to an epidemic, how many animals remained in the grassland of China in the year 2010?

- 1) 976                      2) 952                      3) 986                      4) 962                      5) None of these

30. What was three-fourth of the total number of lions in the grassland of all the four countries in the year 2000 together?

- 1) 848                      2) 868                      3) 804                      4) 824                      5) None of these

**ANSWERS:**

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

**REASONING**

**Directions (Qs. 1 - 8): Study the following information carefully and answer these questions.**

Eight family members 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.

- F, the wife of D is sitting third to right of C.
- A is the son of H. A is sitting second to left of D. D is not an immediate neighbour of either F or C. No male is an immediate neighbour of D.
- G sits second to left of D's son. Only two persons sit between H and A's brother. Neither C nor D is the brother of A.
- D's son and the wife of D's son are immediate neighbours of each others.

- F is the mother of H. F is not an immediate neighbour of B and G.
- G is the sister of E.

1. Who amongst the following is D's son?

- 1) E                      2) G                      3) A                      4) B  
5) Cannot be determined

2. Who sits second to the left of G?

- 1) A's brother          2) G's mother          3) D                      4) B's father          5) A's aunt

3. How many people sit between A and his brother?

- 1) None                      2) One                      3) Two                      4) Three                      5) Four

4. Who amongst the following sits exactly between H and F?

- 1) D's wife                      2) D's son                      3) C                      4) B                      5) A

5. Who amongst the following is the brother of A?

- 1) E                      2) G                      3) A                      4) B  
5) Cannot be determined

6. Based on the given arrangement, how is A related to D?

- 1) Grandfather          2) Son                      3) Grandson  
4) Daughter-in-law          5) Cannot be determined

7. Four of the following five are alike in a certain way based on the given arrangement and so form a group. Which is the one that does not belong to that group?

- 1) B                      2) C                      3) H                      4) G                      5) F

8. Which of the following statements regarding H is definitely correct?

- 1) H is a male                      2) H is the cousin of C  
3) Both the immediate neighbours of H are males.  
4) H is the daughter-in-law of D          5) H is the father of A

9. Read the following information carefully and answer the question which follows.

A recent report points to the fact that what stands between girls in village Regari and a good education is the lack of transport, to and from the only school in the area.

Which of the following can be inferred from the given statement?

(An inference is something which is not directly stated but can be inferred from the given facts.)

- 1) Everyone living in Regari faces problems in commuting.
- 2) Discrimination against girls is more evident in Regari than other villages in India.
- 3) The report had shown Regari in a poor light.
- 4) The school in Regari is not at a walkable distance from the village.
- 5) There is also a lack of institute for higher learning in Regari.

**Directions (10 -15): Study the following information to answer the given questions.**

In a certain code,

'weapons hidden in town' is written as 'white black yellow red',

'ready weapons for attack' is written as 'grey indigo red green',

'hidden for own safety' is written as 'silver grey violet white' and

'own town under attack' is written as 'violet blue indigo black'

**10. What is the code for 'ready'?**

- 1) red
- 2) indigo
- 3) green
- 4) grey
- 5) cannot be determined

**11. What does 'silver' stand for?**

- 1) safety
- 2) own
- 3) hidden
- 4) for
- 5) Either 'own' or 'for'

**12. 'black pink yellow' could be a code for which of the following?**

- 1) town under attack
- 2) hidden for safety
- 3) attack in town
- 4) my own town
- 5) risk in town

**13. What is the code for 'attack'?**

- 1) grey
- 2) indigo
- 3) white
- 4) violet
- 5) blue

**14. Which of the following may represent 'all hidden weapons'?**

- 1) white red orange
- 2) brown grey red
- 3) indigo white red
- 4) red violet white
- 5) orange brown red

15. What is the code for 'own'?

- 1) silver                      2) blue                      3) indigo                      4) violet                      5) black

**Directions (Qs. 16 - 20):** Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements.

**Give answer**

- 1) If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
- 2) If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
- 3) If the data in either Statement I alone or in Statement II alone are sufficient to answer the question.
- 4) If the data in neither Statement I nor II are sufficient to answer the question.
- 5) If the data in both the Statements I and II together are necessary to answer the question.

16. Among P, Q, R, S and T sitting in a straight line, facing North, who sits exactly in the middle of the line?

- I) P sits third to left of S. T is an immediate neighbour of P as well as R.
- II) T sits second to left of S. Q is not an immediate neighbour of either T or S.

17. Among five friends A, B, C, D and E, sitting around a circular table, facing the centre, who sits to the immediate right of A?

- I) E sits third to right of D. A is not an immediate neighbour of D.
- II) C sits second to left of B. A is not an immediate neighbour of C.

18. Who amongst P, Q, R, S and T is the tallest?

- I) P is taller than S and T but shorter than R. Q is taller than S.
- II) T is taller than S. P is not the tallest.

19. Is "EAST" the word formed after performing the following operations on a word containing these four letters?

- I) There is only one letter between A and T. E is to the left of A.
- II) The word does not begin with T. There is only one letter between E and S. T is not an immediate neighbour of E.



20. Is C the grandmother of M?

I) C is the mother of D. D is the brother of M's father.

II) E is the mother of S. S is the sister of M. F is the aunt of S, is the only daughter of C.

**Directions (Qs. 21 - 26):** In each question below are two/ three statements followed by two conclusions numbered I and II. You have to take the two/three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Give answer -**

- 1) if only conclusion I follows.
- 2) if only conclusion II follows.
- 3) if either conclusion I or conclusion II follows.
- 4) if neither conclusion I nor conclusion II follows.
- 5) if both conclusion I and conclusion II follow.

**Directions (Q. 21 & 22):**

**Statements:** Some colours are paints. All colours are varnishes. No varnish is dye.

**21. Conclusions:**

- I. No paint is dye.
- II. All paints being varnishes is a possibility.

**22. Conclusions:**

- I. Some varnishes are paints.
- II. No dye is colour.

**Directions (Q. 23 & 24):**

**Statements:** All squares are triangles. No triangle is circle. All circles are rectangles.

**23. Conclusions:**

- I. No rectangle is square.
- II. All rectangles being square is a possibility.

**24. Conclusions:**

- I. No square is circle.
- II. At least some circles are square.

**25. Statements:** No paper is book.

Some books are libraries.

**Conclusions:** I. All libraries being books is a possibility.

II. No library is paper.

**26. Statements:** All hills are mountains.

All mountains are rocks.

**Conclusions:** I. All those rocks which are mountains are also hills.

II. All hills are rocks.

**Directions (Qs. 27 - 33): Study the following information to answer these questions:**

Eight people viz. A, B, C, D, E, F, G and H are sitting in a straight line facing North. Each one of them has passed a recruitment exam and must join the office on different months viz. January, February, March, April, May, June, July and August but not necessarily in the same order.

- G sits third to the right of the person who joins in May. The person who joins in August sits second to the right of G. A and E are immediate neighbours of each other. Neither A nor E has joining dates either in May or August. Neither A nor E is an immediate neighbour of G.
- H sits third to the right of the person who joining date is in January. Neither A nor E has joining dates in January. H's joining date is not in August.
- Only two people sit between E and the person whose joining date is in July. The person whose joining date is in February sits to the immediate left of D.
- Only one person sits between E and B. C joins on one of the months before July. E joins after April. G joins after A.

**27. On which of the following months does H join the office?**

- 1) April                      2) June                      3) July                      4) February                      5) March

**28. Who amongst the following sits exactly between E and B?**

- 1) The person whose joining date is in May  
2) The person whose joining date is in January  
3) D                              4) A  
5) The person whose joining date is in August

29. 'H' is related to 'July' in a certain way based on the above arrangement. 'B' is related to 'June' following the same pattern. '\_\_\_' is related to 'May' following the same pattern.

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

30. Which of the following is true regarding D?

- 1) Only two people sit to the left of D  
2) D is sitting second to the right of the person whose joining date is in July  
3) E and B are immediate neighbours of D  
4) D's joining date is in May  
5) None is true

31. Who amongst the following has joining date in June?

- 1) F                      2) E                      3) G                      4) D                      5) C

32. How many people sit between C and the person whose joining date is in April?

- 1) None                      2) One                      3) Two                      4) Three                      5) Four

33. Who amongst the following are sitting at extreme ends of the line?

- 1) A and the person whose joining date is in August  
2) The person whose joining date is in May and E  
3) C and G  
4) The persons whose joining dates are in March and June  
5) None of these

**Directions (Qs. 34 - 38):** In these questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions.

**Give answer**

- 1) if only conclusion I is true  
2) if only conclusion II is true  
3) if either conclusion I or II is true  
4) if neither conclusion I nor II is true  
5) if both conclusions I and II are true

34. **Statements:**  $N < O \geq R > T$ ;  $R < A$ ;  $B \leq T$

**Conclusions:** I.  $N < A$

II.  $B < A$

35. **Statements:**  $C \geq D = E \leq F$ ;  $Y < D \geq W$

**Conclusions:** I.  $C \geq Y$

II.  $F \geq Y$

**Directions (36 & 37):**

**Statements:**  $S \leq T < U \geq W$ ;  $T \leq R$ ;  $G > U$

36. **Conclusions:** I.  $S < G$

II.  $W \leq R$

37. **Conclusions:** I.  $R \geq S$

II.  $W < G$

38. **Statements:**  $H \geq G < I$ ;  $F \leq G > Z$

**Conclusions:** I.  $F \leq H$

II.  $Z < I$

**Directions (Qs. 39 & 40):** Study the following information and answer the given questions:

'PROJECT' is related to 'CEOPRT', 'PLANE' is related to 'ELNP' and 'WIN' is related to 'NW'.

39. Following the same pattern, 'ORGANISED' will be related to \_\_\_\_\_.

1) ADEGOIRS                      2) ADEGIOSR                      3) ADEGIORS

4) ADEGBORS                      5) Cannot be determined

40. Following the same pattern 'DISTANCE' will be related to \_\_\_\_\_

1) ACDEINST                      2) ACDEINS                      3) ACDINST

4) ACDNSTI    5) Cannot be determined

**Directions (Qs. 41 - 43):** Read the following information carefully and answer the questions which follow:

P, Q, R, S, T and V live on different floors in the same building having six floors numbered one to six (the ground floor is numbered 1, the floor above it, number 2 and so on and the top most floor is numbered 6).

There are two floors between the floors on which Q and V live. Q lives on a floor

below V's floor. Neither P nor T lives on a floor immediately above or immediately below the floor on which Q lives. P does not live on an odd numbered floor. There is only one floor between the floors on which S and T live. T does not live on a floor immediately above or immediately below the floor on which R lives.

**41.** On which of the following floors does V live?

- 1) 4<sup>th</sup>                      2) 3<sup>rd</sup>                      3) 6<sup>th</sup>                      4) 5<sup>th</sup>  
5) Cannot be determined

**42.** Who amongst the following lives on the topmost floor, i.e. floor number 6?

- 1) T                      2) S                      3) R                      4) P                      5) Either V or P

**43.** How many floors are there between the floors on which R and T live?

- 1) None                      2) One                      3) Two                      4) Three                      5) Four

**Directions (44 & 45):** 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?

**44.** 1) Compare                      2) Conflict                      3) Distinguish                      4) Contrast                      5) Differentiate

**45.** 1) Recollect                      2) Retrieve                      3) Regain                      4) Recall                      5) Realise

**Directions (Qs. 46 - 50):** Study the following information carefully and answer these questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two digits numbers).

**Input:** gate 20 86 just not 71 for 67 38 bake sun 55

**Step I:** bake gate 20 just not 71 for 67 38 sun 55 86

**Step II:** for bake gate 20 just not 67 38 sun 55 86 71

**Step III:** gate for bake 20 just not 38 sun 55 86 71 67

**Step IV:** just gate for bake 20 not 38 sun 86 71 67 55

**Step V:** not just gate for bake 20 sun 86 71 67 55 38

**Step VI:** sun not just gate for bake 86 71 67 55 38 20

and step VI is the last step of the above input as the desired arrangement is reached.

As per the rules followed in the above steps, find out in each of the following

questions the appropriate step for the given input.

Input: 31 rise gem 15 92 47 aim big 25 does 56 not 85 63 with moon.

**46. How many steps will be required to complete the rearrangement?**

- 1) Eight                      2) Six                      3) Seven                      4) Five                      5) None of these

**47. Which word/number would be at 7<sup>th</sup> position from the left in step IV?**

- 1) rise                      2) aim                      3) big                      4) 15                      5) 47

**48. Which step number is the following output?**

rise not moon gem does big aim 15 with 92 85 63 56 47 31 25

- 1) Step V                      2) Step VII                      3) Step IV                      4) Step VIII  
5) There is no such step

**49. Which of the following represents the position of '92' in the VI step?**

- 1) Ninth from the left                      2) Fifth from the right  
3) Sixth from the right                      4) Ninth from the right  
5) Seventh from the left

**50. Which word/number would be at the 5<sup>th</sup> position from the right in the last step?**

- 1) gem                      2) 63                      3) 56                      4) 85                      5) does

**51. Read the following statement and answer the question which follows.**

A massive agitation is brewing in state X against the proposed widening of the national highway.

Which of the following represents an assumption implicit in the given statement? (An assumption is something that is not directly stated but is supposed or taken for granted.)

- 1) The agitation is carried out by local villagers who would be worst affected by widening of the highway.  
2) Many other states have much wider highways as compared to state X.  
3) A national highway already exists in state X.  
4) Commuters are greatly inconvenienced due to frequent accidents owing to the narrow highway.  
5) For a road to be declared a highway, a certain width is essential.

**Directions (Qs. 52 - 55): Read the following information and five statements given below it carefully and answer the questions which follow.**

Steve Jobs himself said it: "It's smart to take an existing idea and enhance it beautifully." Apple did it and so did some of the most successful brands worldwide. To be successful, it is not essential to innovate everytime. Old stuff in new packaging helps as well and is often referred to as 'innovation' which is a combination of innovation and imitation.

- (A) As an innovation is a standalone product in the market, it reaps in all the profit till the 'innovators' imitate it, 'innovation', however, is not profitable as there are many imitated products in the market at the same time, all reducing each other's profits.
- (B) Brand X duplicated Brand Y's mobile phones with exactly the same features and same price range but failed to make an impact in the market.
- (C) No one remembers the innovators after some time because they did not turn their idea into success. On the other hand the imitators did what they had to just at the right time.
- (D) While Sanfy invented portable MP3 players, it was Apple which enabled MP3 players to play videos and games at a fairly reasonable price, thus capturing the market.
- (E) 'Innovation' is a lot less risky business venture. An imitator is already equipped with the analysis of how market received the innovation.

**52. 'Blind imitation of a product can never be successful and sustainable'.**

Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above proves the above statement most appropriately?

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

**53. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents an advantage of imitating an existing product?**

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

54. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above would contradict the fact that imitation of products is a successful market strategy?

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

55. 'Companies must add such values to their imitated products that not only distinguish their imitation but also add to customer satisfaction.'

Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above proves the above statement most appropriately?

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

56. Read the following statement and answer the question which follows:

'The first ever low-cost tablet with a 3-hour battery which works only with Wi-Fi for accessing the Internet will be a game changer for India's rural population who have been on the wrong side of the digital divide in the country'. --stated company X, the manufacturers of the tablet on their role in providing access to Internet throughout India.

Which of the following can be assumed/ inferred from the given statement? (An assumption is something that is not directly stated but is supposed or taken for granted and an inference is something which is not directly stated but can be inferred from the given facts.)

- (1) Wi-Fi connections are already available in rural parts of India.  
(2) Other tablets did not have the features such as Wi-Fi connectivity.  
(3) Improvement in accessibility to Internet would help education sector the most.  
(4) A mere three-hour battery would be grossly insufficient to maximise its benefits.  
(5) The tablet would not benefit urban population in India as much as the rural population.

**Directions (Qs. 57 & 58): Read the following information carefully and answer the questions which follow:**

- Sudha weights more than Bharat and Abhishek.
- Rahul weights less than only Karan.
- Parul weights as much as Sudha but less than Dana.
- Abhishek does not weight the minimum.



57. Who amongst the following is the third heaviest?

- (1) Karan                      (2) Rahul                      (3) Bharat                      (4) Dana  
(5) Cannot be determined

58. Which of the following is true?

- (1) Only four people are heavier than Rahul.  
(2) Bharat weights more than Parul.  
(3) No one weights less than Bharat.  
(4) Only two people are heavier than Karan.  
(5) All are true.

59. Read the following information carefully and answer the question which follows:

A is the brother of B. B is the sister of T. T is the mother of P. If it is provided that R is the Grandfather of P, how would T be related to R?

- (1) 'Daughter'                      (2) 'Grand daughter'                      (3) Sister  
(4) Wife                      (5) 'Daughter' or 'Daughter-in-law'

60. Which of the following symbols should replace the question mark in the given expression in order to make the expression ' $O \leq K$ ' definitely true but ' $M > I$ ' definitely wrong?

$$I < J \leq K ? M \geq N = O$$

- (1)  $\leq$                       (2)  $<$                       (3)  $=$                       (4)  $>$                       (5)  $\geq$

**ANSWERS**

1-4; 2-2; 3-2; 4-5; 5-1; 6-3; 7-1; 8-3; 9-4; 10-3; 11-1; 12-5; 13-2; 14-1; 15-4; 16-5; 17-1; 18-4; 19-5; 20-1; 21-2; 22-5; 23-4; 24-1; 25-1; 26-5; 27-4; 28-1; 29-1; 30-5; 31-2; 32-3; 33-1; 34-2; 35-4; 36-1; 37-5; 38-5; 39-3; 40-5; 41-1; 42-4; 43-3; 44-2; 45-5; 46-1; 47-4; 48-2; 49-3; 50-3; 51-1; 52-2; 53-3; 54-1; 55-5; 56-1; 57-4; 58-3; 59-5; 60-3.