

IBPS RRB'S

OFFICERS SCALE EXAM – 2014

BASED ON MEMORY

REASONING

Directions (Q. 1 – 2): Study the following information carefully and answer the given questions.

- ★ There is a family of seven persons representing three generations.
- ★ There are two married couples.
- ★ Ramcharan, the lawyer, is father of Rohit and has two grand children.
- ★ Monica, the doctor, is sister of the teacher.
- ★ Sudha, the daughter-in-law of Asha, is married to the teacher.
- ★ Shikha, the grand daughter of one of the housewives, is studying in 8th standard.
- ★ The peon is the grandson of Asha.

1. What is the profession of Rohit?

- | | |
|--------------|-----------|
| 1) Teacher | 2) Lawyer |
| 3) Student | 4) Peon |
| 5) Can't say | |

2. Which of the following groups is associated with all three generations?

- | | |
|--------------------------------|------------------------------|
| 1) Rohit, Monica and Shikha | 2) Rohit, Asha and Shika |
| 3) Ramcharan, Monica and Sudha | 4) Rohit, Ramcharan and Asha |
| 5) None of these | |

Directions (Q. 3 – 7): These questions consists of a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements are sufficient to answer the question. Read both the statements and choose the most appropriate option.

3. In which month of the year did Rahul go abroad of a vacation?

- I. Rahul correctly remembers that he went for a vacation in the first half of the year.
II. Rahul's son correctly remembers that he went for a vacation after 31st March but before 1st May.

- 1) The data either in statement I alone or in statement II alone are sufficient to answer the question
- 2) The data in both statements I and II together are necessary to answer the questions.
- 3) 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.
- 4) 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.
- 5) The data even in both statements I and II together are not sufficient to answer the questions.

4. Among friends M, N, O, P, Q and R, who is the second heaviest?
- I. O is heavier than only two friends, P is heavier than O but lighter than N, R is the heaviest.
- II. M is lighter than only two friends. N is heavier than O but lighter than R. P is heavier than only Q.
- 1) The data either in statement I alone or in statement II alone are sufficient to answer the question.
 - 2) The data in both statements I and II together are necessary to answer the question.
 - 3) 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.
 - 4) 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.
 - 5) The data even in both statements I and II together are not sufficient to answer the question.
5. How many marks did Suman score in the twenty-mark exam?
- I. Suman scored two-digit marks and her marks was not in odd numbers.
- II. Suman scored more than 14 but less than 18 marks.
- 1) 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.
 - 2) The data either in statement I alone or in statement II alone are sufficient to answer the question.
 - 3) 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.
 - 4) The data even in both statements I and II together are not sufficient to answer the question.
 - 5) The data in both statements I and II together are necessary to answer the question.
6. Among six people E, F, G, H, I and J standing around a circle facing the centre, what is the position of G with respect of F?
- I. E stands second to the right of G. Only one person stands between E and I. F is an immediate neighbour of G.
- II. Only two people sit between G and H. H is an immediate neighbour of both I and E. F is not an immediate neighbour of I.
- 1) 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.
 - 2) The data either in statement I alone or in the statement II alone are sufficient to answer the question.
 - 3) 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.
 - 4) The data even in both statements I and II together are not sufficient to answer the question.
 - 5) The data in both statements I and II together are necessary to answer the question.
7. Who among P, Q, R, S and T is the tallest?
- I. P is taller than Q. T is not the tallest.
- II. R is taller than P. S is not the tallest.
- 1) The data either in statement I alone or in statement II alone are sufficient to answer the question.
 - 2) The data in both statements I and II together are necessary to answer the question.

- 3) 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.
- 4) 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.
- 5) The data even in both statements I and II together are not sufficient to answer the question.

Directions (Q. 8 – 9): Read the given information carefully and answer the given questions.

Each of the six friends P, Q, R, S, T and U has different weight. R is heavier than T but lighter than U. Q is lighter than only P. T is not the lightest. T weight 50 Kg. The one who is third heaviest weights 63 Kg.

8. Whose weigh could possibly be 49 Kg?

- 1) S
- 2) Q
- 3) P
- 4) R
- 5) U

9. Which of the following weights correctly represents possible weight of R?

- 1) 65 Kg
- 2) 48 Kg
- 3) 67 Kg
- 4) 61 Kg
- 5) 63 Kg

Directions (Q.10): Study the following information carefully and answer the given questions.

10. As more and more NRIs invest in property in City A, more than 1000000 flats are lying vacant even as a large number of people struggle to get good accommodation in the city.

Which of the following statements represents the best possible course of action in order to deal with the situation?

- 1) A vacancy tax should be introduced in order to compel the owners to at least rent out the property.
- 2) Purchase of property should not be allowed unless it is used for self-residential purpose.
- 3) No NRI should be allowed to invest in property anywhere in India in order to protect the interests of the residents.
- 4) Residents of City A should be advised to reside in neighbouring cities where the population density is comparatively low.
- 5) Property prices should be decreased considerably by the government in order to allow everyone to buy as many properties as possible.

11. The total number of students in Class A and Class B is 120. If 15 students from Class A are taken and added to Class B, the number of Class B becomes twice that of A. Find out the number of students in Class A in the beginning.

- 1) 55
- 2) 65
- 3) 40
- 4) 80
- 5) 66

12. How many such pairs of letters are there in the word SCHEDULE, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?

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

Directions (Q.13): Read the following information carefully and answer the question that follows.

13. It has been recently reported that the country's low cost domestic airline recently lost as many 40 commanders or senior pilots mainly to Gulf airlines in the last one year. "Gulf airlines have hired many pilots in big numbers in recent months and most of the senior pilots have opted for these airline for quite some time," source said.

Which of the following statements represents an appropriate course of action to be taken by the airline in order to curtail this problem?

- 1) The airline should increase the salary of all the employees and increment of the employees should be as per their grade.
 - 2) The airline should examine the reason for the high rate of attrition among senior employees and should focus on dealing with the concerns of the employees.
 - 3) The airline should recruit only those pilots who are willing to sign a bond of 5 years.
 - 4) The airline should improve their recruitment policies and should test the loyalty and integrity of the employees before they decide to hire them.
 - 5) The airline should focus on recruiting younger pilots and providing them with good training rather than focusing on retaining senior pilots.
14. Which of the following will come in the place of the question mark (?) in the following series based on the English alphabetical order?

AN CQ ET GW ?

- 1) HZ
- 2) GY
- 3) IZ
- 4) HY
- 5) IX

Directions (Q. 15 – 19): 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(s) and select the appropriate answer.

15. **Statement:** $P < L \leq A > M = K \geq E$

Conclusions: I. $K < L$ II. $P < E$

- 1) Only conclusion II is true.
- 2) Either conclusion I or II is true.
- 3) Both conclusions I and II are true.
- 4) Neither conclusion I nor II is true.
- 5) Only conclusion I is true.

16. **Statements:** $P > R = A < Y; D < A$

Conclusions: I. $P > D$ II. $D < Y$

- 1) Both conclusions I and II are true.
- 2) Only conclusion I is true.
- 3) Neither conclusion I nor II is true.
- 4) Either conclusion I or II is true.
- 5) Only conclusion II is true.

17. **Statements:** $P > R = A < Y; D < A$

Conclusions: I. $P < Y$ II. $R \leq D$

- 1) Both conclusions I and II are true.
- 2) Neither conclusion I nor II is true.
- 3) Only conclusion I is true.
- 4) Only conclusion II is true.
- 5) Either conclusion I or II is true.

18. **Statements:** $C \geq R > A = S \leq H$, $R < P < Q$

Conclusions: I. $C > S$ II. $P < C$

- 1) Either conclusion I or II is true.
- 2) Both conclusions I and II are true.
- 3) Only conclusion II is true.
- 4) Neither conclusion I nor II is true.
- 5) Only conclusion I is true.

19. **Statements:** $C \geq R > A = S \leq H$; $R < P < Q$

Conclusions: I. $H \geq R$ II. $R < Q$

- 1) Both conclusion I and II are true.
- 2) Only conclusion II is true.
- 3) Only conclusion I is true.
- 4) Either conclusion I or II is true.
- 5) Neither conclusion I nor II is true.

Directions (Q. 20 – 24): Study the following information to answer the questions.

In a certain code 'rural and urban divide' is written as 'na ku zu la', 'gap in rural infrastructure' is written as 'kt la vm pl', 'urban planning more important' is written as 'ti na cu bu' and 'more divide than gap' is written as 'pl cu dm zu' (All codes are two-letter codes only.)

20. What is the code for 'and' in the given code language?

- 1) ku
- 2) zu
- 3) dm
- 4) la
- 5) na

21. Which of the following may represent 'important theory planning' in the given code language?

- 1) la bu ti
- 2) ti bu kt
- 3) bu pl ti
- 4) bu xt ti
- 5) gm ti vm

22. Which of the following represent 'more rural' in the given code language?

- 1) cu pl
- 2) vm la
- 3) la cu
- 4) cu ti
- 5) la ku

23. What does the code 'dm' stand for in the given code language?

- 1) Either 'gap' or 'more'
- 2) than
- 3) divide
- 4) more
- 5) gap

24. What is the code for 'infrastructure' in the given code language?

- 1) zu
- 2) na
- 3) Either 'kt' or 'vm'
- 4) pi
- 5) la

25. How many meaningful English words can be formed with letters 'NOEC' using all the letters, but each letter only once in each word?

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

Directions (Q. 26 – 30): In each question there are three statements followed by two conclusions numbered I and II. You have to take the three given statements to be true even if they seem to be a variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

26. **Statements:** All railways are trains.

No train is a station.

Some stations are platforms.

Conclusions: I. All railways being platforms is a possibility.

II. No railway is a station.

1) Only conclusion I follows.

2) Only conclusion II follow.

3) Both conclusion I and II follow.

4) Either conclusion I or II follows.

5) Neither conclusion I nor II follows.

27. **Statements:** All erasers are sharpners.

All sharpners are pencils.

Some pencils are pens.

Conclusions: I. No eraser is a pen.

II. All pencils are sharpners.

1) Only conclusion I follows.

2) Only conclusion II follows.

3) Either conclusion I or II follows.

4) Neither conclusion I nor II follows.

5) Both conclusions I and II follow.

28. **Statements:** All winters are summers.

Some summers are springs.

Conclusions: I. Atleast some winters are springs.

II. Some autumns being summers is a possibility.

1) Either conclusion I or II follows.

2) Both conclusions I and II follow.

3) Only conclusion I follows.

4) Neither conclusion I nor II follows.

5) Only conclusion II follows.

29. **Statements:** All erasers are sharpners.

All sharpners are pencils.

Some pencils are pens.

Conclusions: I. Atleast some sharpners are pens.

II. No sharpener is a pen.

1) Either conclusion I or conclusion II follows.

2) Both conclusions I and II follow.

3) Only conclusion I follows.

4) Neither conclusion I nor II follows.

5) Only conclusion II follows.

30. **Statements:** All winters are summers.

Some summers are springs.

No spring is an autumn.

Conclusions: I. All summers can never be autumns.

II. Atleast some summers are winters.

- 1) Either conclusion I or II follows.
- 2) Both conclusions I and II follow.
- 3) Neither conclusion I nor II follows.
- 4) Only conclusion I follows.
- 5) Only conclusion II follows.

Directions (Q. 31 – 35): Study the information and answer the given questions.

Seven people P, Q, R, S, T, U and V live on separate floors of a 7-floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the topmost floor is numbered 7. Each one of these is travelling to a different city, viz Delhi, Mumbai, Patna, Chennai, Kolkata, Bengaluru and Lucknow but not necessarily in the same order. Only three people live above the floor on which P lives. Only one person lives between P and the one travelling to Bengaluru. U lives immediately below the one travelling to Mumbai. The one travelling to Mumbai lives on an even numbered floor. Only three people live between the ones travelling to Bengaluru and Patna. T lives immediately above R. T is not travelling to Patna. Only two people live between Q and the one travelling to Kolkata. The one travelling to Kolkata lives below the floor on which Q lives. The one travelling to Delhi does not live immediately above or immediately below Q. S does not live immediately below P. V does not travel to Chennai.

31. Which of the following is true with respect to V as per the given information?
 - 1) The one who lives immediately below V is travelling to Mumbai.
 - 2) V lives on Floor No. 7
 - 3) V lives immediately below T.
 - 4) V lives on the lowermost floor.
 - 5) V is travelling to Bengaluru.
32. Who among the following lives on floor no. 3?
 - 1) The one travelling to Chennai
 - 2) The one travelling to Kolkata
 - 3) R
 - 4) V
 - 5) T
33. Who lives on the floor immediately above T?
 - 1) P
 - 2) Q
 - 3) S
 - 4) V
 - 5) U
34. To which of the following cities is S travelling?
 - 1) Mumbai
 - 2) Bengaluru
 - 3) Patna
 - 4) Kolkata
 - 5) Chennai
35. How many people live between the floors on which S and the one travelling to Mumbai live?
 - 1) None
 - 2) Two
 - 3) One
 - 4) More than three
 - 5) Three

Directions (Q. 36 – 40): Study the information and answer the question.

Nine friends A, B, C, D, E, F, G, H and I are sitting around a circular table (with equal distances between each other) facing the centre, but not necessarily in the same order.

D sits second to the right of F. Only two people sit between D and C. H is an immediate neighbour of E. Neither H nor F is an immediate neighbour of C or D. Only two people sit between A and E. G sits third to the right of A. B sits second to the left of C. Only one person sits between C and E.

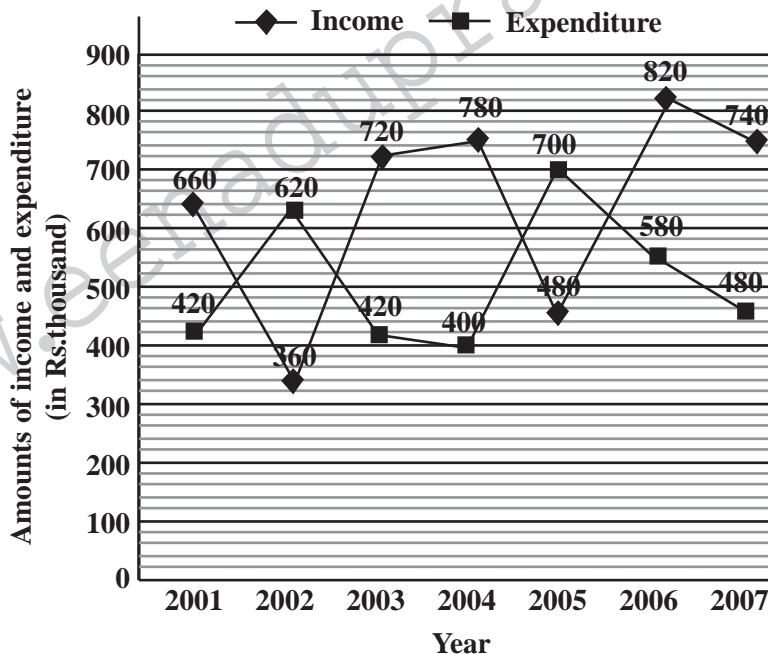
36. Who amongst the following sits exactly between A and I, when counted from the left side of A?
 1) F 2) H 3) D 4) E
 5) C
37. If E and B interchange their places and so do A and C, then who sit exactly between A and E?
 1) F 2) G 3) B 4) C
 5) I
38. Four among the given five pairs are alike in a certain way based on the given arrangement, and thus form a group. Which amongst the following pairs does not belong to the group?
 1) B, A 2) I, E 3) A, D 4) G, C
 5) H, F
39. Who sits second to the right of G?
 1) I 2) B 3) C 4) F
 5) F
40. Which of the following should come in place of question mark (?) according to the given seating arrangement?
 1) I 2) B 3) D 4) G
 5) H

QUANTITATIVE APTITUDE

41. A sold an article at 10 percent loss on the cost price. He had bought it at a discount of 20 percent on the labelled price. What would have been the percentage loss had he bought it at the labelled price?
 1) 34 2) 18
 3) Data provided are not adequate to answer the question
 4) 28 5) 16

Directions (Q. 42 – 46): Refer to the line graph and answer the given question.

Data related to Income and Expenditure (in Rs. hundred) of a businessman during 7 years



Note: 1) Profit = Income – Expenditure

2) Loss = Expenditure – Income

3) Percent profit = (Profit/ Expenditure) \times 100

4) Percent loss = (Loss/ Expenditure) \times 100

42. What is the average profit earned by the businessman in 2001, 2003, 2004, 2006 and 2007 together?
1) Rs.27,400 2) Rs.28,800 3) Rs.29,200 4) Rs.26,800
5) Rs.28,400
43. What is the percentage loss incurred by the businessman in 2002 and 2005 together?
1) $36\frac{4}{11}$ 2) $41\frac{9}{11}$ 3) $34\frac{7}{11}$ 4) $38\frac{1}{11}$
5) $32\frac{3}{11}$
44. The ratio of the expenditures of the businessman in 2003 and 2008 was 7:13. If he earned a profit of 19% in 2008, what was his income in that particular year?
1) Rs.94,060 2) Rs.93,720 3) Rs.92,820 4) Rs.90,560
5) Rs.88,760
45. What is the approximate percentage profit earned by the businessman in 2004 and 2007 together?
1) 73 2) 79 3) 77 4) 69
5) 64
46. What is the ratio of the profit earned by the businessman in 2003 and 2006 together to the loss incurred by him in 2002 and 2005 together?
1) 9 : 8 2) 11 : 8 3) 17 : 14 4) 7 : 6
5) 13 : 13
47. In a class, the average age of both male and female students together is 18 years. The total age of the 15 female students is 240. How many male students are definitely there in the class?
1) 20
2) 40
3) 30
4) Data provided are inadequate to answer the question
5) 25

Directions (Q. 48 – 52): In the given question two equations are given. You have to solve both the equations and give answer.

48. I. $x^2 + 3x - 28 = 0$

II. $y^2 - y = 20 = 0$

- 1) $x = y$ or relationship cannot be established
2) $x > y$
3) $x < y$
4) $x \geq y$
5) $x \leq y$

49. I. $4x + 3y = (1600)^{\frac{1}{2}}$
 II. $6x - 5y =$
 1) $x < y$ 2) $x \geq y$ 3) $x \leq y$ 4) $x > y$
 5) $x = y$ or relationship cannot be established
50. I. $2x^2 + 18x + 40 = 0$
 II. $2y^2 + 15y + 27 = 0$
 1) $x < y$ 2) $x \geq y$
 3) $x \leq y$ 4) $x > y$
 5) $x = y$ or relationship cannot be established
51. I. $6x^2 - 29x + 35 = 0$
 II. $3y^2 - 11y + 10 = 0$
 1) $x \geq y$
 2) $x = y$ or relationship cannot be established
 3) $x \leq y$
 4) $x > y$
 5) $x < y$
52. I. $(6x^2 + 17) - (3x^2 + 20) = 0$
 II. $(5y^2 - 12) - (9y^2 - 16) = 0$
 1) $x < y$ 2) $x \geq y$
 3) $x \leq y$ 4) $x > y$
 5) $x = y$ or relationship cannot be established

Directions (Q. 53 – 57): What will come in place of question mark (?) in the given number series?

53. 2 4 10 ? 82 244
 1) 30 2) 48 3) 28 4) 46
 5) 34
54. 33 16.5 ? 24.75 49.5 123.75
 1) 16.5 2) 13.5 3) 22.5 4) 20.5
 5) 12.5
55. 20 23 30 43 64 ?
 1) 85 2) 92 3) 95 4) 99
 5) 88
56. 44 ? 99 148.5 222.75 334.125
 1) 72 2) 77 3) 66 4) 54
 5) 84
57. 7 8 4 13 -3 22 ?
 1) -7 2) -10 3) -12 4) -14
 5) -9

Directions (Q. 58 – 62): Study the table and answer the given questions.

Data related to the number of employees in six companies during 6 years

Note: M = Male, F = Female

Company	I		J		K		L		T		N	
Gender →	M	F	M	F	M	F	M	F	M	F	M	F
Year ↓												
2004	142	136	144	111	138	97	162	145	148	121	145	118
2005	165	171	161	136	194	134	219	183	180	178	212	177
2006	139	145	164	157	152	129	178	191	212	162	241	184
2007	217	198	179	211	254	168	277	234	263	198	333	259
2008	265	232	348	356	238	278	298	313	310	216	321	316
2009	372	242	321	238	281	267	245	214	396	230	339	303

58. What is the difference between the average number of male employees in all the given companies in 2006 and the average number of female employees in all the given companies in 2009?
- 1) 68 2) 64 3) 58 4) 52
- 5) 74
59. The total number of female employees in Company L in 2004, 2005, 2006 and 2007 together in what percent more than the total number of female employees in Company T in the same years together? (Rounded off to the nearest integer)
- 1) 20 2) 14 3) 18 4) 12
- 5) 16
60. In which of the given years is the percentage increase in the number of male employees of company T from previous year the highest?
- 1) 2009 2) 2007 3) 2008 4) 2005
- 5) 2006
61. The total number of female employees in Company J during all the given years together is what percent of the total number of male employees in Company I during all the given years together?
- 1) 87 2) 93 3) 89 4) 91
- 5) 95
62. What is the ratio of the total number of employees (male and female) in companies J, K and N together in 2005 to the number of employees (male and female) in the same companies together in 2007?
- 1) 11 : 16 2) 13 : 16 3) 9 : 14 4) 11 : 18
- 5) 13 : 18
63. The numerical value of the area of a rectangular field is 90 times the numerical value of its breadth. If the perimeter of the field is 240 meters, what is the breadth of the field?
- 1) 60 meters 2) Data provided are not adequate to answer the question
- 3) 30 meters 4) 20 meters
- 5) 15 meters

64. A's monthly income is Rs.10,000 less than B's monthly income. B's monthly income is Rs.15,000 less than C's monthly income. If the total monthly income of A, B and C together Rs. 65,000, what is A's monthly income?
- 1) Rs.10,000
2) Rs.15,000
3) Rs.20,000
4) None of the given answer is correct
5) Rs.5,000
65. The total present ages of P and Q is 25 years more than the present are of R. If at present Q is 5 years older than R, what is P's present age? (in years)
- 1) 20
2) Data provided are not adequate to answer the question
3) 40
4) 35
5) 30
66. The difference between the total simple interest and the total compound interest compounded annually at the same rate of interest on a sum of money at the end of two years is Rs.50. What is definitely the rate of interest percent per annum?
- 1) 10
2) 4
3) Data provided are not adequate to answer the question
4) 5
5) 7.5

Directions (Q. 67 – 71): What approximate value should come in place of question mark (?) in the following questions ? (Note: You are not expected to calculate the exact value).

67. $899.99 + 45.012 = ? - 224.488$
- 1) 185
2) 395
3) 295
4) 245
5) 355
68. $\frac{3}{5}$ of $\frac{1}{19}$ of $\frac{15}{28}$ of 543 = ?
- 1) 88
2) 44
3) 73
4) 50
5) 64
69. $423.62 - 269.21 + (11.9\% \text{ of } 78) = ?$
- 1) 525
2) 455
3) 645
4) 395
5) 275
70. $17.99^2 - 14.05^2 + (2343.75 + 81.55) + ? = 229$
- 1) 32
2) 39
3) 24
4) 28
5) 12
71. $12.95 \times 7.05 + 85.01^2 \times 10.99 = ?$
- 1) 77586
2) 77776
3) 79566
4) 78356
5) 76876

72. One-fourth of two-fifth of 30 percent of a number is 15. What is 20 percent of that number?
- 1) 100
 - 2) 20
 - 3) Data provided are not adequate to answer the question
 - 4) 200
 - 5) 75
73. The ratio of the base to the height of a rightangled triangle is 4 : 5. If the area of the rightangled triangle is 80 sq cm, what is the height of the triangle?
- 1) 16^2 cm
 - 2) 10 cm
 - 3) 8 cm
 - 4) 20 cm
 - 5) 10^2 cm

Directions (Q. 74 – 78): Read the information given in the passage and answer the given questions.

There are 19000 students in College P. Each of them is studying either one or more of the given languages Japanese, Korean and Latin. The ratio of male to female students is 9 : 11.

14% of the male students study only Japanese, 12% study only Korean and 20% study only Latin. 16% of the male students study only Japanese and Korean, 22% study only Korean and Latin and 8% study only Japanese and Latin. The remaining male students study all the given languages.

22% of the female students study only Japanese, 18% study only Korean and 20% study only Latin. 12% of the female students study only Japanese and Korean, 16% study only Korean and Latin and 10% study only Japanese and Latin. The remaining female students study all the given languages.

74. The number of male students who study more than one of the given languages is what percent more than the number of female students who study more than one of the given languages?
- 1) $12 \frac{2}{13}$
 - 2) $10 \frac{5}{11}$
 - 3) $10 \frac{1}{11}$
 - 4) $18 \frac{1}{13}$
 - 5) $13 \frac{1}{11}$
75. How many male students study Japanese language?
- 1) 3389
 - 2) 3572
 - 3) 3933
 - 4) 3782
 - 5) 3258
76. What is the ratio of the number of male students who study Korean to the number of female students who study the same language?
- 1) 58 : 59
 - 2) 57 : 58
 - 3) 87 : 88
 - 4) 63 : 64
 - 5) 61 : 62
77. What is the difference between the number of female students who study Latin and the number of male students who study the same language?
- 1) 43
 - 2) 76
 - 3) 83
 - 4) 62
 - 5) 57
78. The number of male students who do not study Korean is what percent of the number of female students in College P ?
- 1) $34 \frac{4}{11}$
 - 2) $37 \frac{1}{11}$
 - 3) $38 \frac{2}{11}$
 - 4) $33 \frac{3}{11}$
 - 5) $32 \frac{4}{11}$

- [illegible]

GENERAL AWARENESS

- 81.** India's largest 700 MW ultra mega solar power plant is planned in the state of Madhya Pradesh in ---.
1) Bhopal district
2) Ujjain District
3) Khandwa District
4) Rewa district
5) Indore district
- 82.** The full form of BBPS is
1) Bill finger Berger Power Series
2) Best Business Practices
3) Bits Bites Pixel Sprites
4) Bharat Bill Payment System
5) Bill Bharat Public School
- 83.** India's Tax Administration Reforms Commission submitted its first report to Finance Minister in June 2014 and this commission is headed by
1) Y.V.Reddy
2) D.Subbarao
3) Other than those given as options
4) Parthasarathi Shome
5) Bimal Jalan
- 84.** The process by which the central bank of a country controls the supply of money in the economy by exercising its control over interest rates in order to maintain price stability and achieve high economic growth is known as
1) Economic Policy
2) Monetary Policy
3) Fiscal Policy
4) Credit Policy
5) Budgetary Policy
- 85.** The government is to free India from open defecation by which year under 'Swachh Bharat Abhiyan'?
1) 2020
2) 2019
3) 2018
4) 2017
5) 2016
- 86.** Who amongst the following has recently been selected to receive the 2014 Rajiv Gandhi National Sadbhavana Award for his outstanding contribution towards the promotion of communal harmony, peace and goodwill?
1) Spiritual leader Dalai Lama
2) Noted flute Player Pt Hari Prasad Chaurasia
3) Noted Film Director Shyam Benegal
4) Noted Filmmaker Muzaffar Ali
5) Superstar of Indian Film Music Ilayaraja

87. The 'World's AIDS Day' is observed throughout the world on the
1) First of December every year
2) Last Monday of September
3) Last Sunday of November
4) First of November every year
5) First Sunday of October
88. The 'Cabinet committee on Investments' has been set up to
1) scrutinise investment proposals
2) attract overseas investors
3) facilitate stalled projects
4) market the policies of the government
5) clear investment proposal expeditiously
89. The official currency of the 'Republic of Austria' is
1) Euro
2) Peso
3) Austrian Pound
4) Lira
5) Austrian dollar
90. The host of the Eighteenth (2014) SAARC summit is
1) Sri Lanka
2) India
3) Bhutan
4) Pakistan
5) Nepal
91. The remote sensing satellite Yaogan XX has recently been put into orbit by
1) Australia
2) Singapore
3) China
4) Thailand
5) Newzealand
92. Where is Shigmo festival celebrated?
1) Goa
2) Kerala
3) Maharashtra
4) TN
5) Karnataka
93. Children under 10 years of age are allowed with which facilities in the bank?
1) Current Accounts
2) Savings A/c
3) Zero Balance A/c
4) None
5) None of these
94. Chutak Power Plant is situated in which state?
1) Jammu and Kashmir
2) Himachal Pradesh
3) Mizoram
4) Manipur
5) West Bengal
95. Which of the following states does not have any Regional Rural Bank (RRB)?
1) Punjab
2) Goa
3) Uttarakhand
4) Karnataka
5) Himachal Pradesh
96. The abbreviation NTCA stands for
1) National Thermal Control Authority
2) National Terrorist Control Authority
3) National Transportation Control Authority
4) National Transport Corporation Authority
5) National Tiger Conservation Authority
97. Gagan Naran is an Indian sportsman associate with
1) Badminton
2) Air rifle shooting
3) Golf
4) Wrestling
5) Athletics

98. As stated by Arun Jaitley in his Budget speech of 2014-15, the amount provided for the welfare of Scheduled Castes under the SC Plan is
- 1) Rs.50,548 Cr
 - 2) Rs.54,548 Cr
 - 3) Rs.32,548 Cr
 - 4) Rs.32,387 Cr
 - 5) Rs.50,387 Cr
99. Lok Sabha Speaker Sumitra Mahajan has recently set up a special committee to suggest measures for further strengthening of the security of the Parliament. The committee is headed by former
- 1) Rajasthan DGP Harish Chandra Meena
 - 2) Delhi Police Commissioner Neeraj Kumar
 - 3) Union Home Secretary RK Singh
 - 4) CBI Director Amar Pratap Singh
 - 5) Mumbai Police Commissioner Satya Pal Singh
100. James Bond, often referred by his code name 007, is the fictional protagonist of a series of novels and short stories first published in 1953. The character was originally created by journalist and author.
- 1) Johan Pearnson
 - 2) Kingsley Amis
 - 3) Ian Fleming
 - 4) Raymond Benson
 - 5) Johan Gardner
101. In India the regulator of the commodity market is
- 1) Forward Markets Commission (FMC)
 - 2) National Stock Exchange (NSE)
 - 3) Securities and Exchange Board of India (SEBI)
 - 4) Insurance Regulatory and Development Authority (IRDA)
 - 5) Reserve Bank of India (RBI)
102. For his role in one of the biggest corporate frauds in the country, market regulator SEBI recently barred B.Ramalinga Raju, founder and former chairman of Satyam Computer Services, from the market for a period of
- 1) 18 years
 - 2) 12 years
 - 3) 10 years
 - 4) 21 years
 - 5) 14 years
103. As per Census 2011, the total population of India on 1st March 2011 was 1210.6 million. Of this the urban population was
- 1) 433.1 million
 - 2) 399.1 million
 - 3) 477.1 million
 - 4) 377.1 million
 - 5) 499.1 million
104. In order to promote financial inclusion, the Reserve Bank of India has recently allowed minors to operate bank accounts independently provide their age is above
- 1) 14 years
 - 2) 13 years
 - 3) 16 years
 - 4) 10 years
 - 5) 8 years
105. Finance Minister Arun Jaitley recently announced launch of 'Van Bandhu Kalyan Yojana' for the welfare of
- 1) Tribal Communities
 - 2) Economically Weaker Sections
 - 3) Minority Communities
 - 4) Other than those given as options
 - 5) Rural and Village Communities

- 106.** The recent WTO talks failed to agree on TFA or Global Customs Rules, Expand the term TFA.
- 1) Trade Foresting Agreement
 - 2) Trade Factoring Agreement
 - 3) Trade Facilitation Agreement
 - 4) Trade Featuring Agreement
 - 5) Other than those given as options
- 107.** The Cabinet Minister for Road Transport, Highways and Shipping in the Union Cabinet is
- 1) Nithin Jairam Gadkari
 - 2) D.Sadanand Gowda
 - 3) Piyush Goyal
 - 4) Rajnath Singh
 - 5) M.Venkaiah Naidu
- 108.** The process of conversion of a physical cheque into electronic form is known as
- 1) Cheque Negotiation
 - 2) Cheque Endorsement
 - 3) Cheque Truncation
 - 4) Cheque Alternation
 - 5) Cheque Crossing
- 109.** The earlier system of Prime Lending Rate (PLR) has now been replaced by
- 1) Reverse Repo Rate System
 - 2) Repo Rate System
 - 3) Exchange Rate System
 - 4) Bank Rate System
 - 5) Base Rate System
- 110.** The Tata Sons - Singapore Airlines joint venture, which is expected to launch operations by October, has recently unveiled the brand name of its new airlines as
- 1) Visage
 - 2) Vishal
 - 3) Vistara
 - 4) Vishwas
 - 5) Vistas
- 111.** Which of the following Indian companies recently crossed the Rs.5 lakh crore mark in market capitalisation to become the second most valuable IT services company in tech world?
- 1) HCL Technologies
 - 2) Wipro
 - 3) Tech Mahindra
 - 4) Tata Consultancy Services
 - 5) Infosys
- 112.** As many as three Asiatic lions brought from Gir forest of Gujarat 57 years ago - which led to population of 11 last counted in 1965 - have vanished from the
- 1) Kaziranga National Park in Assam
 - 2) Bandipur National Park in Karnataka
 - 3) Chandraprabha Wildlife Sanctuary near Varanasi
 - 4) Bandhavgarh National Park in Madhya Pradesh
 - 5) Corbett National Park in Uttarakhand
- 113.** The Arjuna Awards selection committee for choosing outstanding sports persons of the country for the year 2014 was headed by former of Indian cricket captain
- 1) Sourav Ganguly
 - 2) Sunil Gavaskar
 - 3) Rahul Dravid
 - 4) Azharuddin
 - 5) Kapil Dev

114. In his budget (2014-15) speech Finance Minister had announced setting up of a commission to look into various aspects of expenditure reforms. Accordingly, an Expenditure Management Commission has recently been setup. The commission is headed by
- 1) Dr.Subir Gokarn
 - 2) Dr.Y.V.Reddy
 - 3) Dr.D.Subba Rao
 - 4) Dr.Bimal Jalan
 - 5) Sumit Bose
115. A banknote of which a portion is missing or which is composed of more than two pieces is known as
- 1) A mutilated banknote
 - 2) A counterfeit banknote
 - 3) A soiled banknote
 - 4) A damaged banknote
 - 5) A defective banknote
116. As per Article 104 of the Constitution, the seat is considered vacant if a member is absent from either House of Parliament for a period of
- 1) 30 days
 - 2) 91 days
 - 3) 45 days
 - 4) 60 days
 - 5) 120 days
117. The author of the book Strictly Personal Manmohan and Gursharan recently published by Harper Collins is
- 1) Natwar Singh
 - 2) PC Parekh
 - 3) Gursharan Kaur
 - 4) Sanjaya Baru
 - 5) Daman Singh
118. The national capital of Brazil is
- 1) Quito
 - 2) Santiago
 - 3) Salvador
 - 4) Brasilia
 - 5) Bogota
119. The scientist who co-discovered the deadly 'Ebola' strain in 1976 is
- 1) Professor Peter Piot
 - 2) Professor Paul Janet
 - 3) Professor Michel Heffernan
 - 4) Professor Graham David
 - 5) Professor Graham David
120. In his Budget (2014-15) speech Minister of Railways Shri DV Sadananda Gowda has informed that the number of Unmanned Level Crossings is around
- 1) 11563
 - 2) 21348
 - 3) 21563
 - 4) 30348
 - 5) 11348

ENGLISH LANGUAGE

Directions (Q. 121 – 125): Which of the phrases given after the sentence should replace the word/phrase given in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, select 'No correction required' as the answer.

121. Rich mineral resources and the government present willing to build infrastructure will attract plenty of foreign investment.
- 1) government willingly present
 - 2) government presence is willing
 - 3) government is present but willing
 - 4) present government's willingness
 - 5) No correction required

122. One of the city's advantages including a good education system, attractive quality of life and a good transport system which can cope with its rising population.

- | | |
|---|---|
| 1) One of the city's advantages include | 2) Some of the city's advantages include |
| 3) The city has advantages included | 4) Many of the city's advantages are included |
| 5) No correction required | |

123. Regulators in America have plans to increase the amount of capital that its eight largest banks can hold and banks have until 2018 to comply.

- | | |
|--------------------------------|----------------------------|
| 1) increased the amount | 2) increase in the amounts |
| 3) which increases the amounts | 4) by increasing amounts |
| 5) No correction required | |

124. If we revise the school curriculum, colleges will not only get skilled employees.

- | | |
|-------------------------------|--------------------------------|
| 1) most quality students | 2) good quality of the student |
| 3) students of best qualities | 4) better quality students |
| 5) No correction required | |

125. By running small dairy farms and selling milk to factories, the women of the village takes care the needs of their families.

- | | |
|--------------------------------------|-----------------------------------|
| 1) woman of the village caring for | 2) woman of the village will care |
| 3) Women of the village take care of | 4) village women taking care of |
| 5) No correction required | |

Directions (Q. 126 – 130): Rearrange the given six sentences (A), (B), (C), (D), (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

- (A) So while these partnership are at times messy and controversial, on balance, they are force for good.
- (B) NGOs help companies reach and meet the needs of parts of the market that companies do not understand, such as the marginalised, where NGOs have unique insight.
- (C) But before concluding that such partnership are valueless it is worth recalling the reasons why they took off in the first place.
- (D) For NGOs too, partnerships with firms have their uses, with companies providing money and ways of influencing the minds and behaviour of millions of people.
- (E) There are many opponents to the close ties between companies and charities (Non-Governmental Organisations or NGOs).
- (F) NGOs are also better than companies at attracting and retaining idealistic talent, who sometimes end up even being absorbed by the companies to administer the policies they had advocated when they worked for NGOs.

126. Which of the following should be the SECOND sentence after the rearrangement?

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

127. Which of the following should be the SIXTH (LAST) sentence after the rearrangement?

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

128. Which of the following should be the FIFTH sentence after the rearrangement?

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

129. Which of the following should be the THIRD sentence after the rearrangement?

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

130. Which of the following should be the FIRST sentence after the rearrangement?

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

Directions (Q. 131 – 135): Read this sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No error' as your answer. (Ignore the errors of punctuation, if any).

131. Though the idea of high-speed trains is/appealingly studies show that countries which/have sunc trains have found that they are much/more expensive than expected and are not used much.

- 1) Though the idea of high speed trains is
2) appealingly, studies show that countries which
3) have such trains have found that they are much
4) more expensive than expetec and are not used much
5) No error

132. Innovations especially into the field of/information technology can help increase/ the wages of the workforce provided/ workers have the necessary skills.

- 1) Innovations especially into the field of 2) information technology can help increase
3) the wages of the workforce provided 4) workers have the necessary skills
5) No error

133. While the country spend about \$ 800 million on fireworks/every year, at a cost of only \$ 74 million it/is set to launch a rocket into space to/orbit Mars and gather data about the planet.

- 1) While the country spend about \$ 800 million on fireworks
2) every year, at a cost of only \$ 74 million it
3) is set to launch a rocket into space to
4) orbit Mars and gather data about the planet.
5) No error

134. The government plans to launch a new health care system which/ consists of a website where people's registration for insurance/ a data centre which stores records and an interface/ which provides insurance companies with information.

- 1) The government plans to launch a new health care system which
2) consists of a website where people's registration for insurance
3) a date centre which stores records and an interface
4) which provides insurance companies with information
5) No error

135. Over half of China's 1.4 billion population/ live in villages and the most pressing/ problem faces the country today/ is the lack of rural reforms.

- 1) Over half of China's 1.4 billion population
- 2) lives in villages and the most pressing
- 3) problem faces the country today/ is the lack of rural
- 4) is the lack of rural reforms
- 5) No error

Directions (Q. 136 – 140): This sentence has two blanks each indicating that something has been omitted. Choose the set of words for the blanks which best fits the meaning of the sentence as a whole.

136. Young people may be - the ability to read emotions, as digital devices such as smart phones are their face - to -face social skills.

- 1) faking, hiding
- 2) affecting, stopping
- 3) losing, limiting
- 4) falling, hindering
- 5) mastering, providing

137. are the days when consumers were passive passengers with little or choice over the design of the product.

- 1) went, less
- 2) Past, much
- 3) Gone, no
- 4) Extinct, nil
- 5) Lost, so

138. Researchers that eating less meat would help in water resources in dry areas around the world.

- 1) opine, conserve
- 2) said, procuring
- 3) suggest, removing
- 4) prove, store
- 5) believe, preserving

139. The Government is on launching a system to strictly monitor of industrial wastes.

- 1) keen, treatment
- 2) thinking, capturing
- 3) contemplating, cure
- 4) interested, disposal
- 5) eager, healing

140. Scientist from across the country have emphasis on the need to take immediate steps to the issue of climate change.

- 1) placed, stop
- 2) paid, halt
- 3) given, hold
- 4) laid, address
- 5) put, clear

Directions (Q. 141 – 145): Read the following passage carefully and answer the given questions. Certain words are given in bold to help you locate them while answering same of the questions.

Rural development in India has witnessed several changes over the years in its emphasis, approaches, strategies and programme. It has assumed a new dimension and perspective as a consequence. Rural development can be richer and more meaningful only through the participation of clientele of development. Just as implementation is the touchstone for planning people's participation is the centrepiece in rural development. People's participation is one of the foremost prerequisites of development process both from procedural and philosophical perspectives. For the development planners and administrators, it is important to solicit the participation of different groups of rural people, to make the plans participatory.

Rural development aims at improving rural people's livelihoods in an equitable and sustainable manner, both socially and environmentally, through better access to assets and services, and control over productive capital.

The basic objectives of Rural Development Programmes have been alleviation of poverty and unemployment through creation of basic social and economic infrastructure, provision of training to rural unemployed youth and providing employment to marginal farmers/ labourers to discourage seasonal and permanent migration to urban areas.

Rural development is the main pillar of nation's development. In spite of rapid urbanisation, a large section of our population still lives in the villages. Secondly, rural India has lagged behind in development because of many historical factors. Though the 11th Plan began in very favourable circumstances with the economy having growth at the rate of 7.7% per year in the both Plan period, there still existed a big challenge to correct the developmental imbalances and to accord due priority to development in rural areas. Ministry of Rural Development is implementing a number of programmes aimed at sustainable holistic development in rural areas. The thrust of these programmes is on all-round economic and social transformation in rural areas through a multi-pronged strategy aiming to reach out to the most disadvantaged sections of the society.

Although concerned effort have been initiated by the Government of India through several plans and measures to alleviate poverty in rural India, there still remains much more to be done to bring prosperity in the lives of the people in rural areas. At present, technology dissemination is uneven and slow in the rural areas. Good efforts of organisations developing technologies, devices and products for rural areas could not yield high success. Experiences of many countries suggest that technological development fuelled by demand has a higher dissemination rate. However, in India, technology developers for rural areas have been catering to needs, rather than creating demand. There is no industry-linkage machinery to create demand-based-technology market for rural communities. Besides there is also an imbalance between strategies and effective management programmes.

Propagation of technology/ schemes for rural development is slow and there is lacking in wider participation of different stakeholder. An ideal approach may, therefore, include the government, panchayats, village personnel, researchers, industries NGOs and private companies to not only help in reducing this imbalance, but also to have a multiplier effect on the overall economy.

141. According to the passage, which of the following are the objectives of most Rural Development Programmes?

- A) To promote urbanisation
- B) Provide training to youth
- C) Reducing unemployment

- 1) Only A and C
- 2) Only C
- 3) Only B and C
- 4) All the three A, B and C
- 5) Only A

142. Which of the following is most nearly the SAME in meaning as the word given in bold as used in the passage?

Alleviation

- 1) mitigation
- 2) soothing
- 3) intensification
- 4) outpouring
- 5) comfortable

143. Which of the following is most OPPOSITE in meaning of the word given bold as used in the passage?

- 1) generation
- 2) producing
- 3) reproduction
- 4) under development
- 5) growth

144. What, according to the passage, is the most important factor of rural development?

- 1) Alleviation of poverty and unemployment
- 2) Employment to marginal farmers and labourers
- 3) Participation of different groups of rural people
- 4) Creation of basic social and economic infrastructure
- 5) None of these

145. Which of the following is true according to the passage?

- A) Urbanisation has resulted in a majority of Indian population living in urban areas.
 - B) The economic growth of the 10th Five Year Plan did not translate into proportionate rural development.
 - C) The efforts of the Government of India for poverty alleviation have met with complete failure.
- 1) Only A and B 2) Only C 3) Only A and C 4) Only C
- 5) All the three A, B And C

146. Which of the following is most nearly the SAME is meaning as the word given in bold as used in the passage?

Touchstone

- 1) Yardstick 2) Periphery 3) Sensitivity 4) Weakness
- 5) hurdle

147. According to the passage, what ails the process of technology-aided development in rural areas?

- A) Creation of demand for technology-aided development in rural areas is missing.
 - B) There is lack of participation of rural people in the process of technology-aided development.
 - C) There is a dearth of appropriate linkages needed for bringing about technology-aided development.
- 1) Only C 2) Only B and C 3) Only A 4) Only A and b
- 5) All the three A, B and C

148. Which of the following can be the most suitable title for the passage?

- 1) Technology in Rural India
- 2) The Rural Indian Communities
- 3) Rural Development - The Participative Way
- 4) Rural India - Ignored by All the Stakeholders
- 5) Rural Development - An Impossible Dream

149. What is the current status of the poverty alleviation programme initiated by the Government of India?

- A) Technology dissemination is uneven and slow in rural areas.
 - B) There still remains much more to be done to bring prosperity in the lives of the people in rural areas.
 - C) There is a lack of participation of different stakeholders.
- 1) Only A and B 2) Only B and C 3) Only A and C 4) All A, B and C
- 5) None of these

150. Which of the following is most OPPOSITE in meaning of the word given in bold as used in the passage?

- 1) troubled 2) unfair 3) separated 4) futuristic
5) just

Directions (Q. 151 – 160): In the given passage there are blanks, each of which has been numbered. Against each, five words are suggested, one of which fits the blank appropriately. Find the appropriate word in each case.

Confidence in the global economy is 151 improving, as evidenced by the bullish behaviour of financial markets and by increasingly positive comments from companies and policy makers over the past few weeks.

While economists have generally argued in 152 of a robust recovery, both in the world economy and in financial market, it is when investors get 153 bullish that the pessimistic case deserves more 154. Many of them believe that the current improvement in global conditions is just a blip and that the world faces years, if not decades, of "secular stagnation". How 155 should we take these foreboding statements? The good news is that there is not much 156 of secular stagnation in global statistics. For the world economy as a whole, "new normal" since 2008 has not, in fact, been very 157 from the pre-crisis period. The average growth of the global economy, from 1988 to 2007, was 3.6 percent according to the IMF's Economic Outlook database. Its latest forecast for this year is the same - 3.6 percent - although the IMF managing Director hinted at a modest 158 this week. At first sight, this continuity from the pre-crisis decades seems 159 to square with the slow down in economic activity in all major economies since 2008. The IMF expects only 2.2 percent growth this year in developed countries compared with an average of 2.8 percent during the two decades before the crisis. In the emerging economies, meanwhile, growth is 160 at 4.8 percent this year, slightly below the 4.9 percent of the pre-crisis decades.

- 151.** 1) heavily 2) steadily 3) tremendously 4) highly
5) regularly
- 152.** 1) approval 2) favour 3) account 4) side
5) grace
- 153.** 1) together 2) collective 3) wild 4) uniformly
5) distributive
- 154.** 1) weight 2) meaning 3) attraction 4) notice
5) attention
- 155.** 1) easily 2) seriously 3) badly 4) simply
4) much
- 156.** 1) evidence 2) example 3) sample 4) clue
5) information
- 157.** 1) similar 2) unlike 3) distinctive 4) different
5) identical
- 158.** 1) reduce 2) crash 3) subside 4) flop
5) decline
- 159.** 1) hard 2) default 3) difficulty 4) hit
5) roughly

160. 1) highlighted 2) depicted 3) projected 4) progressed
5) assumed

ANSWERS

1-1; 2-2; 3-4; 4-1; 5-5; 6-5; 7-2; 8-1; 9-4; 10-1; 11-1; 12-1; 13-2; 14-3 15-4; 16-1; 17-2; 18-5; 19-2; 20-1;
21-4; 22-3; 23-2; 24-3; 25-4; 26-3; 27-4; 28-5; 29-1; 30-2; 31-1; 32-2; 33-5; 34-5; 35-2; 36-2; 37-2; 38-1;
39-1; 40-3; 41-4; 42-5; 43-1; 44-3; 45-1; 46-1; 47-4; 48-3; 49-4; 50-5; 51-4; 52-5; 53-3; 54-1; 55-3; 56-3;
57-4; 58-1; 59-2; 60-1; 61-2; 62-5; 63-3; 64-1; 65-1; 66-3; 67-4; 68-5; 69-4; 70-3; 71-3; 72-1; 73-5; 74-2;
75-3; 76-3; 77-5; 78-1; 79-3; 80-5; 81-4; 82-4; 83-4; 84-2; 85-2; 86-4; 87-1; 88-5; 89-1; 90-5; 91-3; 92-1;
93-4; 94-1; 95-2; 96-5; 97-2; 98-1; 99-3; 100-3; 101-1; 102-5; 103-4; 104-4; 105-1; 106-3; 107-1; 108-3;
109-5; 110-3; 111-4; 112-3; 113-5; 114-4; 115-1; 116-4; 117-5; 118-4; 119-1; 120-1; 121-4; 122-2; 123-5;
124-4; 125-3; 126-3; 127-1; 128-4; 129-2; 130-5; 131-2; 132-1; 133-1; 134-2; 135-3; 136-3; 137-3; 138-5;
139-1; 140-4; 141-3; 142-1; 143-4; 144-3; 145-4; 146-1; 147-5; 148-3; 149-4; 150-2; 151-2; 152-2; 153-4;
154-5; 155-2; 156-1; 157-4; 158-5; 159-1; 160-3.