

# SBI PO (PRE) EXAM-2019

## PREVIOUS YEAR PAPER

### WRITTEN EXAMINATION STRUCTURE

Sr. No.	Name of Tests (Objective)	No. of Questions	Maximum Marks	Allotted Time
1.	Reasoning Ability	35	35	20 minutes
2.	Quantitative Aptitude	35	35	20 minutes
3.	English Language	30	30	20 minutes
	<b>Total</b>	<b>100</b>	<b>100</b>	<b>60 minutes</b>

#### INSTRUCTIONS

- (1) All the sections are available in English only, and the time suggested above for each test is not for guidance, you have to follow the above mentioned time.
- (2) Do not use calculators, or any electronic medium for calculations. You may take a clean sheet of paper for rough work and all calculations must be performed manually by the candidate.
- (3) There will be penalty for wrong answer marked by you in the objective tests. There are five alternatives in every question of a test.
- (4) For each question for which a wrong answer has been given by you,  $1/4$  or 0.25 of the marks assigned to that question will be deducted as penalty. If a question is left blank, i.e. no answer is given by you, there will be no penalty for that question.
- (5) There will be a cut off for each section and an overall cut off as well. Hence, your aim should be to answer maximum number of attempts in all three sections.

## TEST-I: REASONING ABILITY

**Direction (Qs.1-5):** Study the following information carefully and answer the questions given below:

Six boxes i.e., A, B, C, D, E and F of different colors i.e., Orange, Red, Black, Yellow, Pink and White are placed one above another but not necessarily in the same order.

Box C is placed just above the orange coloured box. One box is placed between A and orange coloured box. Three boxes are placed between A and pink coloured box. Two boxes are placed between D and E. Red colored box is placed just below A. There are as many boxes placed above red coloured box as below E. E is not Orange coloured box. Black coloured box is placed just above yellow coloured box. F is placed above B.

- How many boxes are placed above F?  
(1) Two            (2) Three            (3) Four            (4) One            (5) None of these
- In which of the following positions red coloured box is placed?  
(1) 2<sup>nd</sup> from bottom            (2) 1<sup>st</sup> from bottom            (3) 2<sup>nd</sup> from top  
(4) 1<sup>st</sup> from top            (5) None of these
- Which of the following boxes is Yellow coloured?  
(1) A            (2) C            (3) E            (4) D            (5) None of these
- Which of the following colours box F has?  
(1) Orange            (2) Pink            (3) Red            (4) Yellow            (5) None of these
- Four of the following five are alike in a certain way based from a group, find the one which does not belong to that group?  
(1) F-Yellow            (2) E-Orange            (3) B-Black            (4) C-Red            (5) D-White
- In some of the following logic TABLE is coded as BUEFM and PRAYS is coded as SQDTZ, following the same logic MINOR will be coded as  
(1) JNQSP            (2) JPNSQ            (3) PNSJQ            (4) PSNQJ            (5) None of these
- How many pairs of letters are there in the word 'PERSUADE', each of which have as many letters between them in the word as they have between them in the English alphabet?  
(1) One            (2) Two            (3) Three            (4) Four            (5) Five

**Direction (Qs.8-10):** Study the following information carefully and answer the questions given below.

Point R is 5 m west of point Q. Point P is 16 m north of point Q. Point R is 25 m south of point T. Point T is 10 m west of point V. Point V is 9 m north of Point J.

- Point J is at how much distance and in which direction with respect to point P?  
(1) 10 m, South-East            (2) 5 m, South            (3) 5 m, East  
(4) 10 m, North-West            (5) 5 m, West
- If Point W is west of point J and north of point R, then what is the distance between T and W?  
(1) 15m            (2) 9 m            (3) 12 m            (4) 10 m            (5) 5 m
- What is the direction of Point V with respect to Point R?  
(1) North            (2) South-West            (3) North-East            (4) South            (5) North-West

**Direction (Qs.11-15):** Study the following information carefully and answer the questions given below:

Nine persons are sitting in a row. Some of them are facing North and some are facing South. P sits 2<sup>nd</sup> from one of the extreme ends. Two persons sit between P and R. S sits 3<sup>rd</sup> to the left of R. U sits 2<sup>nd</sup> to the right of S. Immediate neighbours of S faces opposite to S. T sits 2<sup>nd</sup> to the right of U. W is an immediate neighbour of T. Persons sitting in an extreme end are facing opposite direction to each other. P sits 2<sup>nd</sup> to the right of T. W and P doesn't face North. Q sits 2<sup>nd</sup> to the left of V. X doesn't face south.

11. Who among the following persons sits 3<sup>rd</sup> to the right of U?  
(1) P (2) R (3) S (4) T (5) None of these
12. How many persons are sitting between P and S?  
(1) Two (2) Three (3) Five (4) Four (5) One
13. Who among the following pair of persons are sitting at extreme ends?  
(1) S-V (2) V-X (3) P-W (4) P-X (5) None of these
14. How many persons are facing South?  
(1) Two (2) Three (3) Four (4) Five (5) None of these
15. Four of the following five are alike in certain way based from a group, find the one which does not belong to that group?  
(1) V (2) Q (3) W (4) X (5) P

**Direction (Qs.16-18):** Study the following information carefully and answer the questions given below:

There are six ropes i.e., E, F, G, H, I and J of different lengths. F is longer than E. I is longer than F. I is shorter than only G. J is longer than F. E is not the shortest rope. The length of 2<sup>nd</sup> longest rope is 54 cm and 3<sup>rd</sup> shortest rope is 30 cm.

16. Which of the following is 3<sup>rd</sup> longest rope?  
(1) I (2) J (3) F (4) E (5) Can't say
17. What may be the possible length of J?  
(1) 28 cm (2) 42 cm (3) 25 cm (4) 55 cm (5) 60 cm
18. Which of the following is 2<sup>nd</sup> shortest rope?  
(1) J (2) F (3) E (4) H (5) None of these

**Direction (Qs.19-22):** Read the information carefully and answer the following questions:

J is married to C. B and D are the children of C. D is married to daughter of K, who is married to M. K is mother of R, who is husband of N. H is the grandson of C and K. L is daughter of N. V is only sibling of H. D has only one daughter.

19. How is D related to K?  
(1) Son (2) Wife (3) Son-in-law (4) Daughter (5) None of these
20. If T is daughter of K, then how is T related to D?  
(1) Wife (2) Son-in-law (3) Daughter (4) Husband (5) None of these

21. How is L related to K?  
 (1) Wife (2) Granddaughter (3) Daughter (4) Son (5) Grandson
22. Who is father of R?  
 (1) M (2) D (3) B (4) J (5) C
23. Four of the following five are alike in a certain way according to English dictionary form a group, find the one which does not belong to that group?  
 (1) NLQ (2) DBG (3) HFK (4) TRW (5) XVY

**Direction (Qs.24-27):** In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Give answer (1):** If only conclusion I follows

**Give answer (2):** If only conclusion II follows

**Give answer (3):** If either conclusion I or II follows

**Give answer (4):** If neither conclusion I nor II follows

**Give answer (5):** If both conclusions I and II follow

24. **Statements:** Only a few Chart are Turbine  
 Only a few Turbine are Pores  
 Only a few Pores are Fan

**Conclusions:** I. Some Fan is Chart is a possibility  
 II. All Fan are Turbine

25. **Statements:** All Benches are Deltas  
 All Deltas are Cushions  
 No Cushions is Wave

**Conclusions:** I. Some Beaches can be wave  
 II. No Deltas is Wave

26. **Statements:** Only a few Aces are Club  
 No Club is Jack  
 Only a few Jack are Diamond

**Conclusions:** I. Some Diamond are Aces  
 II. Some Aces are Jack

27. **Statements:** Some Apple are Banana  
 No Banana is Dates

**Conclusions:** I. Some Dates are not Apple is a possibility  
 II. All Apple can never be Dates

**Direction (Qs.28-32):** Study the information carefully and answer the questions given below:

There are ten persons J, P, Q, R, S, T, G, U, V and X living in a ten-floor building, such that ground floor is numbered as 1, just above the floor is numbered as 2 and so on the topmost floor is numbered as 10, but not necessarily in the same order.

P lives on the 5<sup>th</sup> floor. Only three persons live between P and V. T lives immediate above J, who lives on an odd numbered floor. S lives on one of the floors below R. Number of persons live between J and P is same as number of persons live between T and R. There is only one floor in between U and X. W lives on an odd numbered floor. R does not live on top floor. S lives on an odd numbered floor above X but not on seventh floor. V lives below the floor on which P lives. U lives above the floor on which X lives. Q lives on an even numbered floor above P but not on top floor.

28. How many persons live between W and S?  
(1) One (2) Four (3) None (4) Three (5) More than four
29. Who among the following lives on topmost floor?  
(1) V (2) W (3) T (4) S (5) U
30. Four of the following five are alike in a certain way based to form a group, find the one which does not belong to that group?  
(1) Q (2) X (3) U (4) W (5) T
31. Who among the following lives immediate above Q?  
(1) J (2) W (3) P (4) S (5) V
32. Which of the following statements is not true above U?  
(1) U lives on 4<sup>th</sup> floor  
(2) Two persons live between U and W  
(3) V lives immediate below U  
(4) P lives immediate above U  
(5) All are true

**Direction (Qs.33-35):** Study the following information carefully and answer the questions given below:

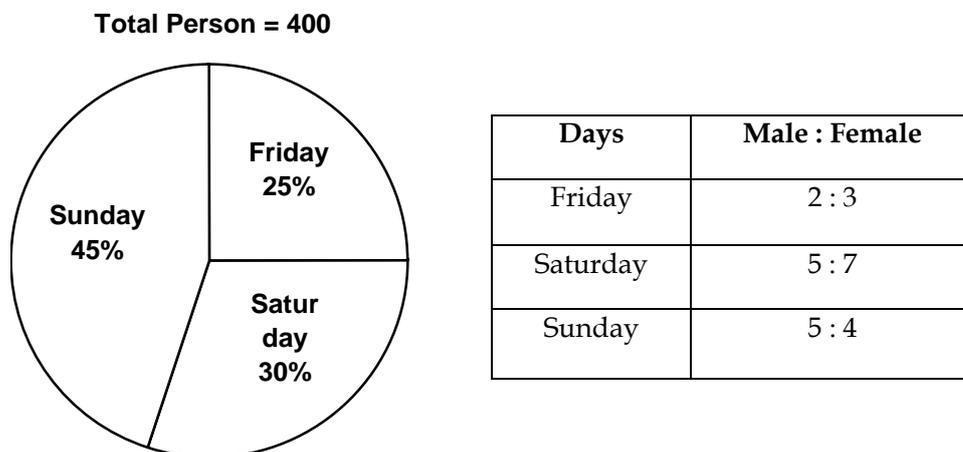
Six persons are sitting around a triangular table. Persons who are sitting at corner are facing towards the table and the persons who are sitting at middle of the table are facing outside the table. A sits at one of the corners of the table. M is an immediate neighbour of A. Two persons sit between M and B. C sits immediate right of B. N is to the immediate right of O. O does not sit at any of the corner of the table.

33. Who sits second to the right of B?  
(1) M (2) A (3) N (4) O (5) C
34. Who is sitting between A and N when counted from the right of A?  
(1) C (2) B (3) O (4) M (5) None of these
35. Who sits immediate left of N?  
(1) M (2) C (3) O (4) B (5) None of these

TEST-II: QUANTITATIVE APTITUDE

36. Four years hence, sum of the ages of A and B will be 16 years more than the sum of present ages of B and C. Four years ago, sum of ages of A and C is 32 years then find the present age of C?  
 (1) 24 yrs (2) 20 yrs (3) 12 yrs (4) 16 yrs (5) 18 yrs
37. A person purchased two articles at the same price and on selling the first article he makes a profit of 12%. Selling price of second article is Rs.90 more than the selling price of the first article. Find the cost price of one article if his overall profit percent is 15%?  
 (1) Rs.1800 (2) Rs.1500 (3) Rs.2000 (4) Rs.2400 (5) None of these
38. Ratio of speed of boat in still water to the speed of current is 10 : 1. Ratio of time taken by the boat to cover D km in downstream to the time taken by the boat to cover (D-45) km in upstream is 3 : 2. Then find the value of D?  
 (1) 60 km (2) 87 km (3) 99 km (4) 108 km (5) 90 km
39. A container contains a mixture of milk and water in which water is 24%. 50% of the mixture is taken out in which water is 78 litre less than the milk. Find the remaining quantity of milk in that container?  
 (1) 171 lit (2) 152 lit (3) 133 lit (4) 108 lit (5) 114 lit
40. The perimeter of a triangle is equal to perimeter of a rectangle. Length of rectangle is 75% of side of a square and ratio of length to breadth of rectangle is 3 : 2. If difference between perimeter of square and that of rectangle is 36 cm, then find perimeter of triangle?  
 (1) 60 cm (2) 48 cm (3) 72 cm (4) 80 cm (5) 96 cm

**Direction (Qs.41-45):** Given below is the pie chart which shows the number of persons visiting a national park on different days and table shows the ratio of male to female visiting these parks.

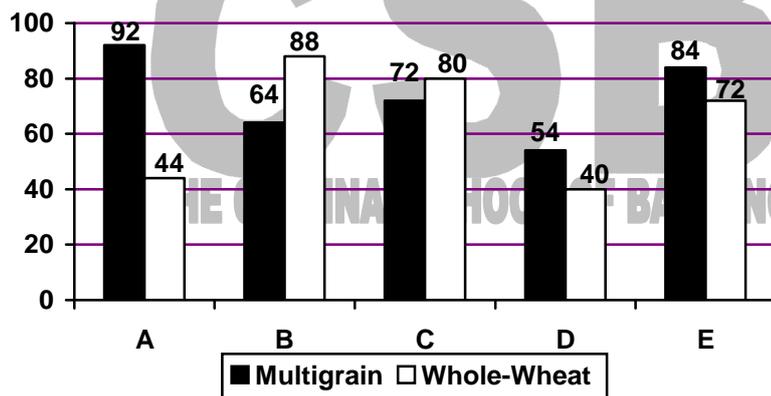


41. If on Monday number of males who visited national park are increased by 20% over males visiting national park on Saturday and Females visiting national park on Monday is  $33\frac{1}{3}\%$  more than females visiting on Friday then, find the total persons visiting national park on Monday.  
 (1) 145 (2) 165 (3) 140 (4) 160 (5) 150

42. Total females visiting national park on Sunday and Saturday together are what percent more or less than total male visiting national park on Friday and Sunday together.
- (1)  $33\frac{1}{3}\%$       (2)  $14\frac{2}{7}\%$       (3)  $16\frac{2}{3}\%$       (4)  $14\frac{1}{7}\%$       (5)  $7\frac{1}{7}\%$
43. What is the average of males visiting national park on all these days
- (1)  $63\frac{1}{3}$       (2)  $65\frac{2}{3}$       (3)  $49\frac{2}{3}$       (4)  $45\frac{1}{3}$       (5)  $66\frac{2}{3}$
44. If cost of ticket per male and per female on any day is Rs.45 and Rs.40 respectively then total amount obtained by national park on Friday is how much more or less than total amount obtained by national park on Sunday (in Rs.)
- (1) 2800      (2) 3500      (3) 3000      (4) 3200      (5) 4200
45. What is the ratio of males visiting park on Friday to females visiting park on Saturday?
- (1) 4 : 5      (2) 7 : 3      (3) 3 : 7      (4) 4 : 7      (5) 7 : 4

**Direction (Qs.46-50):** Study the bar-graph given below carefully and answer the questions.

Bar-graph given below shows the number of packets of flour sold by five stores of two types i.e., multigrain and whole wheat.



46. Total number of packets sold by store C is approximately what percent more or less than number of packets sold by store E?
- (1) 3%      (2) 5%      (3) 12%      (4) 23%      (5) 17%
47. What is the ratio of number of packets sold of multigrain by store A and D together to number of packets sold of whole-wheat by store A and E together?
- (1) 2 : 1      (2) 73 : 58      (3) 43 : 41      (4) 41 : 23      (5) None of these
48. Multigrain packets sold by store A and B together is what percent more or less than Whole-wheat packets sold by store C and D together?
- (1) 25%      (2) 20%      (3) 30%      (4) None of these      (5) 35%
49. In another store F sold number of multigrain packets which is average of number of multigrain packets sold by store C, D and E and number of whole-wheat packets sold is average of number of whole-wheat packets sold by store A and E. If store B sold each packet at Rs.240 and store F sold each packet at 20% more than that of B then find total price collected by store F?
- (1) Rs.24246      (2) Rs.28246      (3) None of these      (4) Rs.36864      (5) Rs.32863

50. What is the difference of total number of multigrain packets sold by all store together and number of whole-wheat packets sold by all store together?  
 (1) 48 (2) 54 (3) 42 (4) 36 (5) 24

**Direction (Qs.51-55):** Solve the given quadratic equations and mark the correct option based on your answer.

- Give answer (1):** If  $x > y$   
**Give answer (2):** If  $x \geq y$   
**Give answer (3):** If  $x < y$   
**Give answer (4):** If  $x \leq y$   
**Give answer (5):** If  $x = y$  or no relation can be established between  $x$  and  $y$

51. I.  $x^2 - 14x + 45 = 0$  II.  $y^2 - 18y + 72 = 0$

52. I.  $x^2 + 7x + 12 = 0$  II.  $y^2 + 9y + 20 = 0$

53. I.  $4x^2 - 7x + 3 = 0$  II.  $7y^2 - 17y + 6 = 0$

54. I.  $2x^2 - 19x + 45 = 0$  II.  $2y^2 - 9y + 4 = 0$

55. I.  $x^2 = 144$  II.  $(y + 12)^2 = 0$

**Direction (Qs.56-60):** What will come in place of (?) in the following number series problems?

56. 200 197 185 163 130 ?  
 (1) 95 (2) 85 (3) 105 (4) 86 (5) 84

57. 15 8 9 15 32 ?  
 (1) 98 (2) 66 (3) 80.5 (4) 82.5 (5) 84.5

58. 5 30 150 600 ?  
 (1) 1200 (2) 1500 (3) 2400 (4) 1800 (5) 600

59. 222 110 54 26 ?  
 (1) 10 (2) 12 (3) 8 (4) 6 (5) 14

60. 104 ? 96 120 88 128  
 (1) 112 (2) 96 (3) 116 (4) 120 (5) 92

61. A invested Rs.X in a scheme. After 6 months, B joined with Rs.4000 more than that of A. After an year, ratio of profit of B to the total profit was 3 : 7. Find the value of X.  
 (1) 4000 (2) 8000 (3) 1600 (4) 6000 (5) 10000

62. 1500 rupees is invested in a scheme A at R% p.a. simple interest. Another amount  $(1500 - x)$  is invested in scheme B at 2R% p.a. simple interest. After 4 years, interest earned from scheme A is 25% less than that of scheme B. Find  $x$ .  
 (1) 500 (2) 600 (3) 900 (4) 1000 (5) 1200

63. 40 men can complete a work in 48 days. 64 men started for the same work for  $x$  days. After  $x$  days, 32 men increased, so the remaining work is completed in  $16\frac{2}{3}$  days. Find  $x$ .
- (1) 5                      (2) 8                      (3) 10                      (4) 6                      (5) None of these
64. If perimeter of the base of a cylinder is 66 cm. Then find volume of cylinder if height of cylinder is 0.04 m.
- (1)  $1111\text{ cm}^3$       (2)  $1386\text{ cm}^3$       (3)  $2046\text{ cm}^3$       (4)  $1186\text{ cm}^3$       (5)  $2002\text{ cm}^3$
65. A 175 m long train 'P' passed a pole in 8.75 sec. Train 'P' passed another train 'Q' travelling in a direction opposite to 'P' in  $\frac{60}{7}$  sec. If length of train 'Q' is 225 m, then in what time train 'Q' will pass train 'P' when they both run in same direction?
- (1) 55 sec              (2) 50 sec              (3) 45 sec              (4) 60 sec              (5) 35 sec

**Direction (Qs.66-70):** Study the given information carefully and answer the questions that follow.

3 pizza shops A, B and C sell veg pizza and non-veg pizza. Respective ratio between number of vegetarian and non-vegetarian pizzas sold by pizza shop A was 9 : 7 and that sold by pizza shop B was 3 : 4. The number of pizzas (Veg + non-veg) sold by pizza shop C was 108 and respective ratio between number of vegetarian and non-vegetarian pizza sold by pizza shop C was 7 : 5. Total number of pizza sold by all three pizza shops was 376. Number of veg pizza sold by pizza shop A was 20% more than the veg pizza sold by pizza shop B.

66. If cost of each veg pizza and each non-veg pizza sold by shop B is Rs.200 and Rs.300 respectively then find the total amount obtained by shop B? (in Rs.)
- (1) 40000              (2) 36000              (3) 48000              (4) 32000              (5) 44000
67. What is the ratio of veg pizza sold by shop A & C together to the non-veg pizza sold by shop B & C together.
- (1) 27 : 25              (2) 27 : 29              (3) 29 : 27              (4) 25 : 27              (5) 23 : 25
68. What is the average of veg pizza sold by all shops?
- (1) 61                      (2) 68                      (3) 62                      (4) 60                      (5) 65
69. Total veg pizzas sold by shop A and C are what percent of total non-veg pizza sold by shop B & C?
- (1) 113%              (2) 108%              (3) 109%              (4) 112%              (5) 116%
70. If Veg pizza sold by shop B is increased by  $33\frac{1}{3}\%$  and non-veg pizza sold by shop A is increased by 75% then what is the sum of veg pizza sold by B and non-veg pizza sold by A after increment.
- (1) 178                      (2) 186                      (3) 198                      (4) 200                      (5) 182

## TEST-III: ENGLISH LANGUAGE

**Direction (Qs.71-77):** Read the following passage carefully and answer the questions given below. Certain words are given in **bold** to help you locate them while answering some of the questions.

Renewable energy is the future, and future is finally here. Global investment in renewable energy shot up last year, far outstripping investment in fossil fuels, according to a UN report. As the price of clean energy technology **plummets**, it has become an increasingly attractive prospect for world governments. China was by far the world's largest investor in renewable energy in 2017, **accounting for** nearly half of the new infrastructure commissioned. This was mainly a result of its massive support for solar power, which globally attracted nearly a fifth more investment than in the previous year. Other countries including Australia, Sweden and Mexico more than doubled the amount of money they pumped into clean energy projects. "Yet again, this was a record year for new renewable power capacity being financed," Francoise d' Estais from UN Environment's energy and climate branch told *The Independent*, "We had a record 157 gigawatts commissioned last year, far outstripping the fossil fuel generating capacity, which we estimated as 70 gigawatts."

In just over a decade, concerted investment has increased the proportion of world electricity generated by wind, solar and other renewable sources from around 5 percent to 12 percent. "The electricity sector remains the brightest spot for renewables with the exponential growth of solar photovoltaics and wind in recent years, and building on the significant contribution of hydropower generation." But, electricity accounts for only a fifth of global energy consumption, and the role of renewables in the transportation and heating sectors remains \_\_\_(A)\_\_\_ to the energy transition. The global replacement of traditional fuels with renewables led to around 1.8 gigatonnes of carbon dioxide emissions being avoided last year - the equivalent of removing the entire US transport system. According to the Wind and Solar Atlas, there are opportunities and potential for Wind and Solar plants in the East and West Nile areas that will produce around 31,150 MW from wind and 52,300 MW from solar. Egypt is also considering financing options to conduct feasibility studies for building the world largest solar power plant for both electricity generation and water desalination.

The UK has been performing well in clean energy generation, with recent figures showing wind and solar sources had overtaken nuclear as suppliers of electricity. However, despite these positive trends, 2017 saw a big drop of 65 percent in British renewables investment.

Experts have criticised the withdrawal of UK support for onshore wind, as previous analysis has demonstrated it already has the capacity to out compete fossil fuels as a power source.

As renewable energy prices continue to fall, however, Professor Moslener said government subsidies are likely to become less and less important.

71. Which of the following facts are correct as per the given passage?
- (I) The decrease in the cost of renewable energy resulted in its wide use
  - (II) China massively supported solar power and became largest investor in renewable energy.
  - (III) Egypt is conducting feasibility studies for building largest solar power plant
- (1) Only I      (2) Only II      (3) Only III      (4) Both II & III      (5) All I, II & III
72. What did the author mean by the line "The electricity sector remains the brightest spot for renewables with the exponential growth of solar photovoltaics and wind in recent years, and building on the significant contribution of hydropower generation."?
- (I) The growth of renewable energy in electricity sector is not that impressive
  - (II) Electric sector has performed the best for renewables.
  - (III) Hydropower generation has a significant contribution in the electricity sector.
- (1) Only I      (2) Only II      (3) None      (4) Both II & III      (5) All I, II & III

73. Which of the following is/are the positive effect(s) of renewable energy?  
 (I) Overall increase in the global temperature  
 (II) Carbon dioxide emissions were reduced to a considerable amount.  
 (III) Nile being converted into a biodiversity hotspot.  
 (1) Only I (2) Only II (3) Only III (4) Both II & III (5) All I, II & III
74. Why government subsidies are likely to become less important?  
 (1) As china is increasing the investment in this sector.  
 (2) As the price of clean energy technology continues to plummet  
 (3) As Fossil fuels is the better alternative  
 (4) As there are opportunities and potential for Wind and Solar plants in the East and West Nile areas  
 (5) None of these
75. Which of the following words will come in place of **(A)** as given in the passage?  
 (1) Elevate (2) Existence (3) Erratic (4) Diabolic (5) Critical
76. Which of the following words is most **similar** in meaning to '**accounting for**' as given in the passage?  
 (1) Contradict (2) Contribute (3) Devious (4) Retrieve (5) Categorical
77. Which of the following words is most **similar** in meaning to '**plummets**' as given in the passage?  
 (1) Intensify (2) Escalate (3) Callous (4) Slump (5) Reminiscent

**Direction (Qs.78-83):** Given below is a paragraph consisting of blanks against each number. Identify the correct option among the five alternatives that perfectly fits into the given blank against the respective number to make the paragraph contextually meaningful and grammatically correct.

On October 29, 1929, Black Tuesday hit Wall Street as investors **...(78)...** some 16 million shares on the New York Stock Exchange in a single day. Billions of dollars were lost, **...(79)...** out thousands of investors. In the aftermath of Black Tuesday, America and the rest of the industrialized world **...(80)...** downward into the Great Depression (1929-39), the deepest and longest lasting economic **...(81)...** in the history of the Western industrialized world up to that time. During the 1920s, the U.S. stock market underwent rapid expansion, reaching its peak in August 1929, after a period of wild speculation. By then, production had already declined and unemployment had risen, leaving stocks in great excess of their real value. Among the other causes of the eventual market collapse were low wages, the **...(82)...** of debt, a struggling agricultural sector and an excess of large bank loans that could not be liquidated. Stock prices began to decline in September and early October 1929, and on October 18 the fall began. Panic set in, and on October 24, Black Thursday, a record 12,894,650 shares were traded. Investment companies and leading bankers attempted to **...(83)...** the market by buying up great blocks of stock, producing a moderate rally on Friday.

78. (1) Traded (2) Invaded (3) Segregated (4) Daunted (5) Halted
79. (1) Affording (2) Wiping (3) Wanting (4) Vacating (5) Artificial
80. (1) Reprimanded (2) Embedded (3) Spiraled (4) Mounted (5) Disregarded
81. (1) provided (2) Infiltration (3) Dismantle (4) Downturn (5) Diversification
82. (1) Commotion (2) Impair (3) Significant (4) Proliferation (5) renovate

83. (1) Infirmary (2) Credibility (3) Stabilize (4) Burdened (5) Rationalize

**Direction (Qs.84-88):** In the questions given below, there is a sentence in which one part is given in bold. The part given in **bold**, may or may not be grammatically correct. Choose the best alternative among the four given which can replace the part in **bold** to make the sentence grammatically correct. If the part given in **bold** is already correct and does not require any replacement, choose option (5). i.e., 'No correction required' as your answer.

84. The plastic ban introduced by the municipality has been a total failure as there **has been no reducing** in the usage of polybags.  
(1) is no reduce  
(2) has been no reduction  
(3) have been no reduced  
(4) is not any reduced  
(5) No correction required
85. As per the directives, the retail prices of both petrol and diesel **is revising** on a daily basis.  
(1) have been revising (2) are revising (3) will be revised  
(4) is revise (5) No correction required
86. **We got** everything ready for all of them long before they arrived.  
(1) We had got (2) We have got (3) We have been got  
(4) We are getting (5) No correction required
87. We still have some farm equipment that **hasn't been used** since my grandfather died.  
(1) Hasn't been using (2) was using (3) are using  
(4) should not have been use (5) No correction required
88. Every officer and every resident of this village is determined **to do their best** to get better ranking in sanitation index.  
(1) to do there best (2) to do its best (3) to do his best  
(4) to do ones best (5) No correction required

**Direction (Qs.89-93):** In each of the questions given below a sentence is given with a blank. The sentence is then followed by five alternatives out of which one will fit the blank. Choose the alternative that will fit the blank most appropriately and make the sentence grammatically and contextually correct.

89. Administration has taken positive steps to \_\_\_\_\_ the education system.  
(1) increase (2) devised (3) renovated (4) revamp (5) dispel
90. Health and education sectors are one of the most \_\_\_\_\_ sectors in the global market.  
(1) benefit (2) necessity (3) profit (4) lucrative (5) importance
91. She is an aware citizen who has always \_\_\_\_\_ to contribute to the progress of the country.  
(1) wished (2) admiring (3) prepare (4) motivating (5) stimulate
92. In the beginning I looked \_\_\_\_\_ and could not find quite the car I dreamed of.  
(1) after (2) around (3) above (4) out (5) down
93. The RBI has played conservative in \_\_\_\_\_ a rate cut of just 25 basis points.  
(1) introduce (2) proposed (3) improving (4) decrease (5) announcing

**Direction (Qs.94-95):** In the following questions two columns are given containing three sentences/phrases each. In first column, sentences/phrases are A, B and C and in the second column the sentences/phrases are D, E and F. A sentence/phrase from the first column may or may not connect with another sentence/phrase from the second column to make a grammatically and contextually correct sentence. Each question has five options which display the sequence(s) in which the sentences/phrases can be joined to form a grammatically and contextually correct sentence. Choose the pair(s) which make(s) a grammatically meaningful sentence.

94.

Column I	Column II
(A) The rumors of petrol shortage	(D) Highly resistant for outdoor use
(B) The body of camera makes it	(E) Turned out to be false
(C) There were no surprises	(F) The key stakeholders in the economy

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

95.

Column I	Column II
(A) As the rain water began to collect in pools on the highway	(D) One of the European countries during the late stages of the tournament
(B) For years, Argentina would dominate in World cup qualifying matches	(E) Recently unearthed letters argue against this belief
(C) Many have accused him of being a quiet misogynist	(F) It began to hamper the flow of traffic

- (1) C-F    (2) B-F    (3) A-F    (4) C-E    (5) None of these

**Direction (Qs.96-100):** Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No error', the answer is (5). (Ignore errors of punctuation, if any)

96. People have the freedom (1)/of speech but at the (2)/ same time each of them (3)/ have to remember their fundamental duties. (4)/ No error (5)
97. The number of students (1)/ competing in the event (2)/ has been fallen (3)/ because of the prize money. (4)/ No error (5)
98. While he used to walk (1)/ along the road, (2)/ a wild and ferocious dog (3)/ knocked him down. (4) / No error (5)
99. Anaya is even willing (1)/ to make Mexico (2)/ one of the first countries to (3)/ introduces a universal basic income. (4)/ No error (5)
100. There were no surprises (1)/ in the second bimonthly monetary policy (2)/ announcement by the (3)/ Reserve Bank of India. (4)/No error (5)

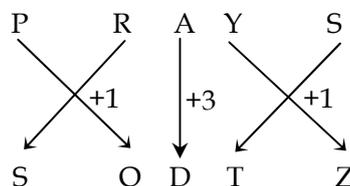
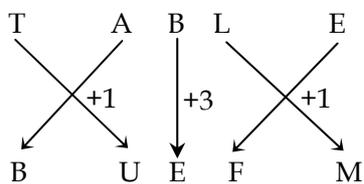
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ANSWERS

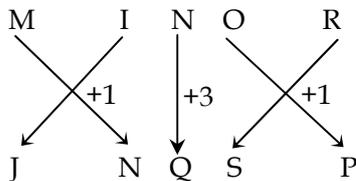
For (Qs.1-5):

Boxes	Colours
E	Pink
C	White
F	Orange
D	Black
A	Yellow
B	Red

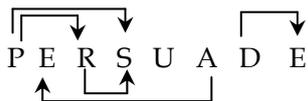
- Ans (1): Two**  
There are two boxes placed above F.
- Ans (2): 1<sup>st</sup> from bottom**  
The position of Red coloured box is 1<sup>st</sup> from bottom.
- Ans (1): A**  
A has yellow colour box.
- Ans (1): Orange**  
F has Orange colour box.
- Ans (4): C-Red**  
Three boxes are there between C and Red colour box.
- Ans (1): JNQSP**



Similarly,

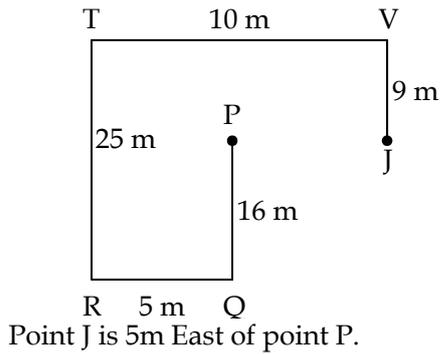


- Ans (5): Five**

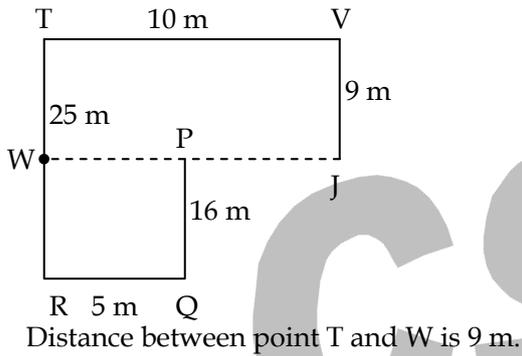


There are five such pairs  $P \rightarrow R$ ,  $P \rightarrow S$ ,  $R \rightarrow S$ ,  $D \rightarrow E$  and  $E \leftarrow A$ .

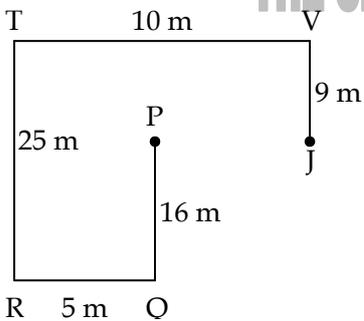
8. **Ans (3): 5m, East**



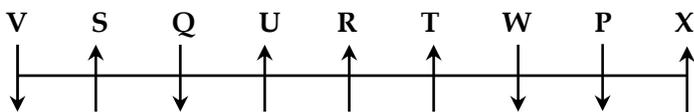
9. **Ans (2): 9 m**



10. **Ans (3): North-East**



For (Qs.11-15):



11. **Ans (5): None of these**  
W sits 3<sup>rd</sup> to the right of U.

12. **Ans (3): Five**  
Five persons are sitting between P and S.

13. **Ans (2): V-X**  
V and X are sitting at extreme ends.

14. **Ans (3): Four**

Four persons are facing South.

15. **Ans (4): X**

Except X, others are facing South direction.

For (Qs.16-18):

**Length order:** G > I (54 cm) > J > F (30 cm) > E > H

16. **Ans (2): J**

J is the 3<sup>rd</sup> longest rope.

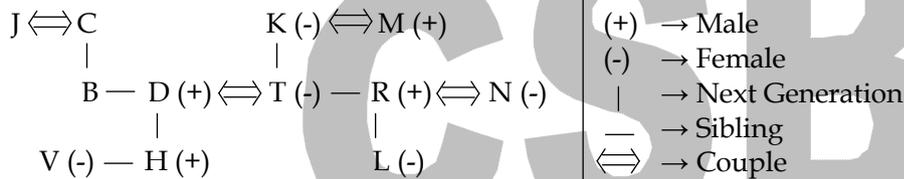
17. **Ans (2): 42 cm**

The possible length of J is 42 cm.

18. **Ans (3): E**

E is the 2<sup>nd</sup> shortest rope.

For (Qs.19-22):



19. **Ans (3): Son-in-law**

D is the son-in-law of K.

20. **Ans (1): Wife**

T is the wife of D.

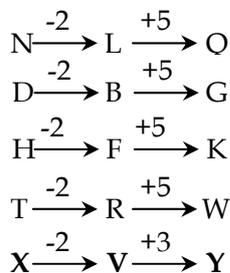
21. **Ans (2): Granddaughter**

L is the Granddaughter of K.

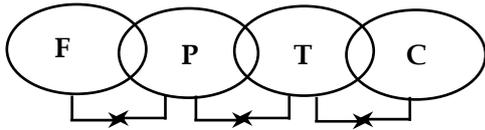
22. **Ans (1): M**

M is the father of R.

23. **Ans (5): XVY**

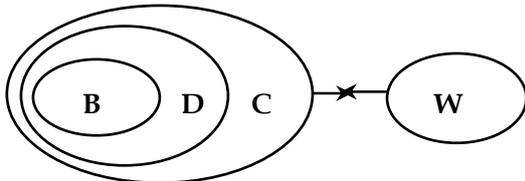


24. **Ans (1): Only conclusion I follows**



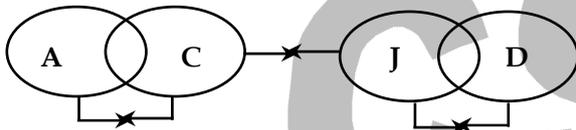
**Conclusions:** I. Some fan is chart is a possibility (✓)  
II. All fan are Turbine (✗)

25. **Ans (2): Only conclusion II follows**



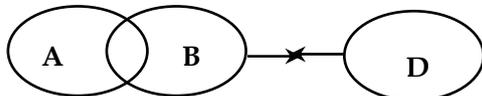
**Conclusions:** I. Some Beaches can be wave (✗)  
II. No Deltas is Wave (✓)

26. **Ans (4): Neither conclusion I nor II follows**



**Conclusions:** I. Some Diamond are Aces (✗)  
II. Some Aces are Jack (✗)

27. **Ans (5): Both conclusions I and II follow**



**Conclusions:** I. Some Dates are not Apple is a possibility (✓)  
II. All Apple can never be Dates (✓)

For (Qs.28-32):

Floor	Person
10	T
9	J
8	Q
7	W
6	R
5	P
4	U
3	S
2	X
1	V

28. **Ans (4): Three**

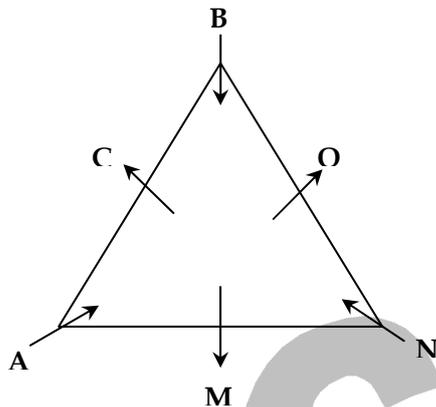
Three persons live between W and S.

29. **Ans (3): T**

T lives on topmost floor.

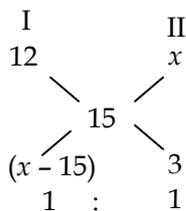
30. **Ans (4): W**  
Except W, others live on an even numbered floor.
31. **Ans (1): J**  
J lives immediate above Q.
32. **Ans (3): V lives immediate below U**  
Two persons live between U and V. So, V lives not immediate below U.

For (Qs.33-35):



33. **Ans (2): A**  
A sits second to the right of B.
34. **Ans (4): M**  
M is sitting between A and N.
35. **Ans (1): M**  
M sits immediate left of N.
36. **Ans (4): 16 yrs**  
The present age of A, B and C be  $x$ ,  $y$  and  $z$  years respectively  
 $(x + 4) + (y + 4) = (y + z) + 16 \Rightarrow x - z = 8 \dots(i)$   
 And  $(x - 4) + (z - 4) = 32 \Rightarrow x + z = 40 \dots(ii)$   
 From (i) & (ii)  $\Rightarrow z = 16$  years

37. **Ans (2): Rs.1500**  
The profit earned on second article be  $x\%$



Ratio of cost price  $\Rightarrow x = 18\%$   
 $6\% = \text{Rs.}90$   
 Cost price =  $100\% = \text{Rs.}1500$

38. **Ans (3): 99 km**

The speed of boat in still water and the speed of current be  $10x$  km/hr and  $x$  km/hr respectively

$$\frac{\left(\frac{D}{11x}\right)}{\frac{D-45}{9x}} = \frac{3}{2} \Rightarrow D = 99 \text{ km}$$

39. **Ans (5): 114 lit**

The quantity of mixture be  $100x$  lit

Quantity of milk =  $76x$  lit

And Quantity of water taken =  $12x$ lit

Quantity of milk taken =  $38x$  lit

$$\Rightarrow 38x - 12x = 26x = 78 \Rightarrow x = 3 \text{ lit}$$

Required quantity of milk =  $114$  lit

40. **Ans (1): 60 cm**

Side of square be ' $4x$ ' cm

$$\text{Length of rectangle} = 4x \times \frac{3}{4} = 3x \text{ cm}$$

And, breadth of rectangle =  $2x$  cm

$$4 \times 4x - 2(3x + 2x) = 36 \Rightarrow 6x = 36 \Rightarrow x = 6 \text{ cm}$$

$$\text{Perimeter of triangle} = \text{Perimeter of rectangle} = 2(18 + 12) = 60 \text{ cm}$$

41. **Ans (3): 140**

$$\text{Total males visiting national park on Monday} = \frac{30}{100} \times 400 \times \frac{5}{12} \times \frac{120}{100} = 120 \times \frac{5}{12} \times \frac{6}{5} = 60$$

$$\text{Total females visiting national park on Monday} = \frac{25}{100} \times 400 \times \frac{3}{5} \times \frac{4}{3} = 80$$

$$\text{Required sum} = 80 + 60 = 140$$

42. **Ans (5):  $7\frac{1}{7}\%$**

Total female visiting national park on Sunday and Saturday together

$$= \frac{30}{100} \times 400 \times \frac{7}{12} + \frac{45}{100} \times 400 \times \frac{4}{9} = 70 + 80 = 150$$

Total male visiting national park on Friday and Sunday together

$$= \frac{25}{100} \times 400 \times \frac{2}{5} + \frac{45}{100} \times 400 \times \frac{5}{9} = 40 + 100 = 140$$

$$\text{Required percentage} = \frac{150 - 140}{140} \times 100 = 7\frac{1}{7}\%$$

43. **Ans (1):  $63\frac{1}{3}$**

$$\text{Required average} = \frac{40 + 50 + 100}{3} = \frac{190}{3} = 63\frac{1}{3}$$

44. **Ans (2): 3500**

Total amount obtained on Friday =  $40 \times 45 + 60 \times 40 = 1800 + 2400 = \text{Rs.}4200$

Total amount obtained on Sunday =  $100 \times 45 + 40 \times 80 = 4500 + 3200 = 7700$

Required difference =  $7700 - 4200 = \text{Rs.}3500$

45. **Ans (4): 4 : 7**

$$\text{Required ratio} = 40 : 70 = 4 : 7$$

46. **Ans (1): 3%**

$$\text{Required percentage} = \frac{(84 + 72) - (72 + 80)}{(72 + 84)} \times 100 \approx 3\%$$

47. **Ans (2): 73 : 58**

$$\text{Required ratio} = \frac{92 + 54}{44 + 72} = 73 : 58$$

48. **Ans (3): 30%**

$$\text{Required percentage} = \frac{(92 + 64) - (80 + 40)}{(80 + 40)} \times 100 = 30\%$$

49. **Ans (4): Rs.36864**

$$\text{Number of packets sold by store F} = \frac{1}{3}[72 + 54 + 84] + \frac{1}{2}[44 + 72] = 70 + 58 = 128$$

$$\text{Required price} = 128 \times 240 \times \frac{120}{100} = \text{Rs.36864}$$

50. **Ans (3): 42**

$$\text{Required difference} = (92 + 64 + 72 + 54 + 84) - (44 + 88 + 80 + 40 + 72) = (366 - 324) = 42$$

51. **Ans (5):  $x = y$  or no relation can be established between  $x$  and  $y$**

I. SR = 14, PR = 45  $\Rightarrow x = 9, 5$

II. SR = 18, PR = 72  $\Rightarrow y = 12, 6$

52. **Ans (2):  $x \geq y$**

I. SR = -7, PR = 12  $\Rightarrow x = -3, -4$

II. SR = -9, PR = 20  $\Rightarrow y = -5, -4$

53. **Ans (5):  $x = y$  or no relation can be established between  $x$  and  $y$**

I. SR = 7, PR = 12  $\Rightarrow x = \frac{4}{4}, \frac{3}{4} = 1, 0.75$

II. SR = 17, PR = 42  $\Rightarrow y = \frac{14}{7}, \frac{3}{7} = 2, 0.42$

54. **Ans (1):  $x > y$**

I. SR = 19, PR = 90  $\Rightarrow x = \frac{10}{2}, \frac{9}{2} = 5, 4.5$

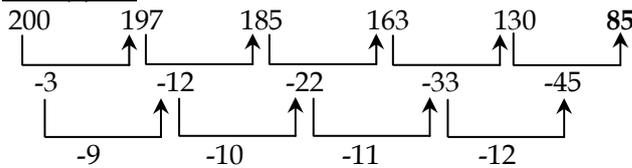
II. SR = 9, PR = 8  $\Rightarrow y = \frac{1}{2}, \frac{8}{2} = 0.5, 4$

55. **Ans (2):  $x \geq y$**

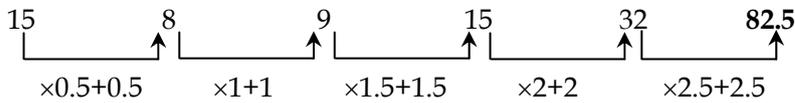
I.  $x^2 = 144 \Rightarrow x = 12, -12$

II.  $y^2 + 24y + 144 = 0 \Rightarrow \text{SR} = -24, \text{PR} = 144 \Rightarrow y = -12, -12$

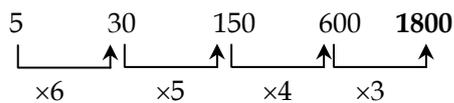
56. **Ans (2): 85**



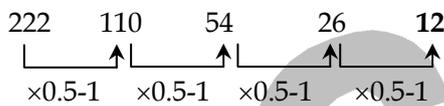
57. **Ans (4): 82.5**



58. **Ans (4): 1800**



59. **Ans (2): 12**



60. **Ans (1): 112**



61. **Ans (2): 8000**

$$\frac{\text{Profit of B}}{\text{Total profit}} = \frac{3}{7} = \frac{(x + 4000) \times 6}{x \times 12 + (x + 4000) \times 6} \Rightarrow 7x + 28000 = 9x + 12000$$

$$\Rightarrow 2x = 16000 \Rightarrow x = 8000$$

62. **Ans (1): 500**

$$\text{Interest earned from scheme A} = \frac{1500 \times R \times 4}{100} = 60R$$

$$\text{Interest earned from Scheme B} = \frac{(1500 - x) \times 2R \times 4}{100} = \frac{2R(1500 - x)}{25}$$

$$1500 - x = 1000 \Rightarrow x = 500$$

63. **Ans (1): 5**

$$40 \times 48 = 64x + 96 \times \frac{50}{3} \Rightarrow 120 = 4x + 100 \Rightarrow x = 5$$

64. **Ans (2): 1386 cm<sup>3</sup>**

$$\text{Radius of base of cylinder} = \frac{66}{2 \times 22} \times 7 = \frac{21}{2} \text{ cm}$$

$$\text{Volume of cylinder} = \frac{22}{7} \times \frac{21}{2} \times \frac{21}{2} \times 4 = 1386 \text{ cm}^3$$

65. **Ans (4): 60 sec**

Speed of train P =  $S_p$

$$S_p = \frac{175}{8.75} = 20 \text{ m/s}$$

Speed of train Q =  $S_q$

$$20 + S_q = \frac{(175 + 225) \times 7}{60} \Rightarrow S_q = \frac{80}{3} \text{ m/s}$$

Relative speed if train P and Q running in same direction =  $\frac{80}{3} - 20 = \frac{20}{3} \text{ m/s}$

$$\text{Required time} = \frac{(175 + 225) \times 3}{20} = 60 \text{ sec}$$

For (Qs.66-70):

	A	B	C
Veg	72	60	63
Non-veg	56	80	45

Shop C  $\Rightarrow$  Veg : Non Veg = 7 : 5

$$\begin{array}{l} \checkmark \\ 12 \rightarrow 108 \\ 1 \rightarrow 9 \end{array}$$

Number of veg pizza by shop C = 63

Number of Non-veg pizza by shop C = 45

Given

$$9A = 3B + \frac{20}{100} \times 3B \Rightarrow A = 0.4B$$

Total number of pizza sold by all three Pizza shop was 376

$$9A + 7A + 3B + 4B + 108 = 376$$

$$16A + 7B = 268$$

$$16(0.4B) + 7B = 268 \Rightarrow B = 20, \therefore A = 8$$

Number of veg pizza sold by shop B = 60

Number of Non-veg pizza sold by shop B = 80

Number of veg pizza sold by shop A = 72

Number of Non-veg pizza sold by shop A = 56

66. **Ans (2): 36000**

$$\text{Required total amount} = 60 \times 200 + 80 \times 300 = 12000 + 24000 = 36000$$

67. **Ans (1): 27 : 25**

$$\text{Required ratio} = \frac{72 + 63}{80 + 45} = \frac{135}{125} = \frac{27}{25}$$

68. **Ans (5): 65**

$$\text{Required average} = \frac{72 + 60 + 63}{3} = 65$$

69. **Ans (2): 108%**

$$\text{Required percentage} = \frac{135}{125} \times 100 = \frac{27}{25} \times 100 = 108\%$$

70. **Ans (1): 178**

$$\text{Required sum} = \frac{4}{3} \times 60 + \frac{7}{4} \times 56 = 80 + 98 = 178$$

71. **Ans (5):** All I, II & III

72. **Ans (4):** Both II & III

73. **Ans (2):** Only II

74. **Ans (2):** As the price of clean energy technology continues to plummet

75. **Ans (5): Critical**

Critical here means having a decisive or crucial importance in the success, failure, or existence of something

76. **Ans (2): Contribute**

Account for is a phrasal verb which means supply or make up (a specified amount or proportion)

77. **Ans (4): Slump**

**Plummets** means fall or drop straight down at high speed hence **slump** is the word which is most similar in meaning to the given word.

78. **Ans (1):** Traded

79. **Ans (2):** Wiping

80. **Ans (3):** Spiraled

81. **Ans (4):** Downturn

82. **Ans (4):** Proliferation

83. **Ans (3):** Stabilize

84. **Ans (2): has been no reduction**

Replace "has been no reducing" with "has been no reduction"

85. **Ans (3): will be revised**

The subject "Retail prices" is in plural number therefore the usage of "is" is incorrect

We will replace "is revising" with "will be revised"

86. **Ans (1): We had got**

Use 'We had got' in place of "we got" because when we talk about the two incidents of past for the first incident use past perfect and for the later activity we use past indefinite.

87. **Ans (5): No correction required**

The given sentence, along with the bold phrase is grammatically correct and contextually meaningful; thus it doesn't require any corrections.

88. **Ans (3): to do his best**

Here, we will replace 'their' with 'his'. When two singular nouns are connected by 'and' and 'each' or 'every' is used before them, then they are considered as singular nouns. In such cases, the verb used with them will be in singular form and the pronoun used for the subject will also be singular.

89. **Ans (4): revamp**

**Revamp** means give new and improved form, structure, or appearance to  
**Dispel** means make (a doubt, feeling, or belief) disappear

90. **Ans (4): lucrative**

Lucrative means producing a great deal of profit.  
It also makes the sentence grammatically correct

91. **Ans (1): wished**

Stimulate means encourage or arouse interest or enthusiasm in

92. **Ans (2): around**

Look around means (INTRANSITIVE) to try to find something that you want or need

93. **Ans (5): announcing**

94. **Ans (5): B-D & A-E**

95. **Ans (3): A-F**

96. **Ans (4): have to remember their fundamental duties**

The error is in the part (4) of the sentence, 'have' should be replaced by 'has' because 'each of', 'either of', always takes the singular verb.

97. **Ans (3): has been fallen**

"Has fallen" will be used in place of 'has been fallen' as there is no passive form of intransitive verb (fall)

(Note: verbs are of two types namely transitive verbs and intransitive verbs. Transitive verbs need an object while Intransitive verbs cannot have an object. Ex., 'I bought a car' in which 'bought' is transitive. 'The Baby smiled', 'smiled', is an intransitive verb)

98. **Ans (1): While he used to walk**

Replace 'while he used to walk' with 'while he was walking'. For the two incidents of past, if one continues and the other one has happened, then past continuous tense is used for the former and simple past for latter.

Example, While I **was walking** along the road, a mad dog attacked me.

99. **Ans (4): introduces a universal basic income**

The sentence becomes grammatically incorrect in part (4) of it. Instead of 'introduces', 'introduce', is required as after the phrase 'one of the' the noun or pronoun used in plural, however, the **verb** should be in its **singular form** as there is the use of 'to-infinitive' which is followed by the first form of the verb.

100. **Ans (5): No error**

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