

**Direction:** In the following question, a sentence with four highlighted words is given. The words are denoted by (1), (2), (3) and (4). One of these words may be incorrect or inappropriate in the given context. Find the inappropriate or wrongly spelt word. If all the words are appropriate in the context then mark 'All are correct' as your answer.

1. The **footbal (1)** match had to be **abandoned (2)** as the **weather (3)** played **spoilsport (4)**.

- A. 1
- B. 2
- C. 3
- D. 4
- E. All are correct

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2. They **gathered (1)** their **belongings (2)** and left the **plase (3)** at **sunset (4)**.

- A. 1
- B. 2
- C. 3
- D. 4
- E. All are correct

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words are denoted by (1), (2), (3) and (4). One of these words may be incorrect or inappropriate in the given context. Find the inappropriate or wrongly spelt word. If all the words are appropriate in the context then mark 'All are correct' as your answer.

3. He **fell (1)** off the ledge as he **tried (2) looking (3)** over and lost his **balance (4)**.

- A. 1
- B. 2
- C. 3
- D. 4
- E. All are correct

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4. Ram **prepared (1)** the report but **forgot (2)** to email it to his teacher **within (3)** the **stipulated (4)** time.

- A. 1
- B. 2
- C. 3
- D. 4
- E. All are correct

**Direction:** In the following question, a sentence with four highlighted words is given. The words are denoted by (1), (2), (3) and (4). One of these words may be incorrect or inappropriate in the

given context. Find the inappropriate or wrongly spelt word. If all the words are appropriate in the context then mark 'All are correct' as your answer.

5. The year **might** (1) **technically** (2) start in January, but **springtime** (3) is the season of **rejuvination** (4).

- A. 1
- B. 2
- C. 3
- D. 4
- E. All are correct

**Direction:** A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.

6. The federal government's fight to \_\_\_\_\_ a bankruptcy settlement was rejected by the Supreme Court.

- A. Install
- B. Instruct
- C. Block
- D. Obstruction
- E. None of these

**Direction:** A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.

7. They got \_\_\_\_\_ because they had been late on several occasions for 3 weeks.

- A. Legalized
- B. Rewarded
- C. Submitted

- D. Penalised
- E. Tendered

**Direction:** A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.

8. There were hundreds of people \_\_\_\_\_ for the exam, even when there were only a few vacancies.

- A. Appearing
- B. Offering
- C. Excellent
- D. Wrecking
- E. Successful

**Direction:** A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.

9. His Visa got \_\_\_\_\_ by the senior officers without any prior information.

- A. Excluded
- B. Steer
- C. Rejected
- D. Conducted
- E. Restrained

**Direction:** In the following question, a word is given, which is used in three sentences. Find the sentence(s) in which it has been used correctly.

10.

**Intermittent**

I. The tape ran in an **intermittent** loop, repeating the same songs over and over.

II. After three hours of **intermittent** rain, the game was abandoned.

III. I waited for an **intermittent** in the conversation and then asked my question.

- A. Only I
- B. Only II
- C. Only III
- D. All of the above
- E. None of the above

### 11.Docile

I They have a big dog, but he's really friendly and **docile**.

II Despite the **docile** of his voice, I could tell he was angry.

III She developed into a **docile**, difficult child.

- A. Only I
- B. Only II
- C. Only III
- D. Both I & II
- E. Both II & III

### 12.Marginal

I. The fuel-price increase will have only a **marginal** effect on the road fuel market.

II. The contribution of the new consultants to business strategy has been **marginal**.

III. Compared with FinTech sectors, EdTech is of **marginal** interest to investors

- A. Only I
- B. Only II
- C. Only III
- D. Both I & III
- E. All of the above

### 13.Analyse

I. Sickness, **analyse** with terrible weather, contrived to ruin the trip.

II. It's in the poorer, underdeveloped eastern region of the country that the biggest problems **analyse**.

III. The chatty, easy-going tone of the notes may **analyse** some but should amuse most.

- A. Only I
- B. Only II
- C. Only III
- D. Both I & II
- E. None of the above

**Direction (14-18):** Rearrange the following six sentences, (A), (B), (C), (D) and (E) in a proper sequence to form a meaningful paragraph, then answer the questions that follow.

A) On the other hand, for the employer, it greatly reduces the employee turnover rate because employees enjoy their work and feel that they are working for a great company.

B) It is important to know that there are many benefits of separating your work life from your personal life.

C) When your life is all about work, you don't enjoy your personal life, and, if you spend too much time in your personal life, you will lack the fulfilment and satisfaction from work and career achievement.

D) Hence, it is quite important to achieve a true balance between one's personal and work life, as striving for it will give tremendous benefit, be it an employee or an employer.

E) On the one hand, it simply means more relaxation and less burnout for the employee, which makes them able to work at a better pace, with more productivity.

14. Which of the following will be the **second** sentence after rearrangement?

- A. B
- B. E
- C. C
- D. D
- E. A

15. Which of the following will be the **third** sentence after rearrangement?

- A. E
- B. C
- C. D
- D. A
- E. B

16. Which of the following will be the **fourth** sentence after rearrangement?

- A. C
- B. A
- C. D
- D. E
- E. B

17. Which of the following will be the **fifth** sentence after rearrangement?

- A. A
- B. B
- C. C
- D. D
- E. E

18. Which of the following will be the **first** sentence after rearrangement?

- A. C
- B. E
- C. B
- D. D
- E. A

**Direction (19-26):** Read the given passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of these.

When you are feeling overwhelmed at work, it is important to find out why you feel that way. Do you have too many responsibilities, or feel there are too few hours in the day? Is your boss piling on the pressure? Or is the company culture getting you down?

Feeling overwhelmed is actually a stress response when we feel the **demand** on us outweighs our resources. Feeling out of control and under pressure is a form of emotional overloading and can also trigger the release of stress hormones such as cortisol and adrenaline. Keeping a journal of thoughts, feelings and actions can help you identify what causes this reaction. Once we understand what triggers the stress, we can perhaps understand why that is and we can build strategies around those things.

If your workload is unmanageable, it's a good idea to speak to your boss. This can be a **daunting prospect**, but making a plan before your discussion will help. Revisit your job description before the meeting. Explain to your boss the tasks you are involved in, how long they take, the resources they require, why you find them challenging, and practical suggestions for a solution. Try to control your emotions in the meeting, remain calm and professional. Focus on concerns about quality to demonstrate you are still committed to doing a good job. It is not a sign of weakness, asking for help, and your manager may not realise how much work you have on.

Learn to say no as it is must to survive and have a stress free work life. Often people who say yes to everything have this instilled in them in childhood because they think if they do not obey rules they will be rejected. In a working environment, people might think they are lucky to have a job, so it is best to keep their head down and not **fuss**. Challenging this type of work programming can take some time, but it can be done.

If your boss is professional, you should get a positive reaction when raising the issue. The situation may be because of a temporary factor you are unaware of, and they may be able to help in some way. This is an ideal scenario, but unfortunately not always the case. If a bad boss is putting extra work on you without caring, then that's a more difficult situation. In these circumstances, it is worth speaking to a trade union or employee representative and look into the company's grievance procedure.

19. According to the passage, which of the following can be considered as a likely characteristic of a professional boss?

- A. Revision of the employee's job description followed by a demotion.
- B. Reminding the employee that others are also sharing a similar workload.
- C. Suggesting the employee that he/she should visit a psychiatrist.

D. Sharing personal experience with the employee and suggesting a suitable approach.

E. None of the above

20. Which of the following statements is TRUE as per the context of the passage?

I. Communicating with the boss will make one aware of a temporary factor which might help one handle the workload.

II. The release of stress hormones such as cortisol and adrenaline is triggered by emotional overloading.

III. It is important to get overwhelmed at work so as to ensure that one's performance at the workplace remains top notch.

- A. Both I & II
- B. Both II & III
- C. Both I & III
- D. All of the above
- E. None of the above

21. According to the author, what kind of work programming needs to be changed as mentioned in the passage?

A. Performing the same job again and again which makes one lethargic.

B. An ideal work structure where everything occurs in an optimized way.

C. Obeying the rules so as to ensure that one remains employed.

D. Opting for those tasks on which one can avoid getting stressed.

E. None of the above

22. Which one of the following is the MOST SIMILAR in meaning to the given word as used in the passage?

- Demand  
A. Censor  
B. Requirements  
C. Abet  
D. Sate  
E. None of the above

23. According to the passage, under what circumstances, speaking to a trade union or employee representative is worthy?

- A. When one has certain personal problems and is not able to confront his or her superior.  
B. When a superior, overburdens an employee and is indifferent of his or her workload.  
C. When the grievance procedure is unable to provide a feasible solution to a problem.  
D. When there are issues with certain colleagues and the management is unable to handle it.  
E. None of the above

24. Which of the following can be concluded to agree with the author's opinion as stated in the passage?

- I. A discussion will give your manager a clearer idea about the workload, which will ultimately lead to your promotion.  
II. If we are able to build strategies to avoid getting overloaded, we will be able to understand why it happens in the first place.  
III. Our inability to refuse a task is because of the ingrained fear of getting rejected in a highly competitive environment.  
A. Only I  
B. Only II

- C. Only III  
D. Both I and II  
E. Both II and III

25. Which one of the following is the MOST SIMILAR in meaning to the given word as used in the passage?

'Daunting prospect'

- A. Faint hope  
B. Striking figure  
C. Brilliant act  
D. Scary idea  
E. None of the above

26. Which one of the following is the MOST SIMILAR in meaning to the given word as used in the passage?

'Fuss'

- A. Support  
B. Despair  
C. Protest  
D. Muffle  
E. None of the above

**Direction:** Out of the four sentences given below, one is grammatically correct. Find the correct sentence and mark the relevant option as your answer. If all the sentences are incorrect, mark "All are incorrect" as the answer.

27. A. The lady got up and calls out to the maid.  
B. Raghav shut the balcony door and went back into the room.  
C. Her happiness knows no bounds when they purchases her paintings.  
D. He wed Beatrice in 1898, and by 1905, the couple have four children.  
E. All are incorrect.

**Direction:** Out of the four sentences given below, one is grammatically correct. Find the correct sentence and mark the relevant option as your answer. If all the sentences are incorrect, mark "All are incorrect" as the answer.

28. A. A loop of thread from his sweater caught on a nail.

B. Some maniac was running down the street waving a massively metal bar.

C. United States lodged a formal protest against the arrest of the foreign reporters.

D. After dinner, we settles in front of the television for the evening.

E. All are incorrect.

**Direction:** Out of the four sentences given below, one is grammatically correct. Find the correct sentence and mark the relevant option as your answer. If all the sentences are incorrect, mark "All are incorrect" as the answer.

29. A. One of the main reason I came to England was to study the language.

B. We were taught painting and draw at art college.

C. She had to drag her child away from the toy shop.

D. The opportunity to travellling is one of the main attractions of the job.

E. All are incorrect.

30. **Direction:** Find the correct sentence and mark it as your answer. If all the sentences are incorrect, mark "All are incorrect" as the answer.

A. The children are always hungry when they get home from school.

B. There a middle-aged couple, with grown-up children.

C. My main concern about moving at San Francisco is the cost of housing.

D. Aileen does most of the work about the house.

E. All are incorrect.

**Direction (31-35):** What should come in place of the question mark '?' in the following number series?

31. 72000, 36000, 12000, 3000, 600, ?

A. 400

B. 200

C. 100

D. 250

E. 150

32. 6, 8, 14, 26, 46, ?

A. 78

B. 76

C. 66

D. 58

E. 82

33. 76, 80, 107, 123, ?, 284

A. 248

B. 256

C. 265

D. 272

E. 260

34. 400, 394, 378, 352, 316, ?

A. 270

B. 284

C. 306

D. 292

E. 252

35. 18, 31, 42, 49, 54, ?

A. 56

B. 59

C. 57

D. 58

E. 60

**Direction (36-45):** What value will come in place of the question mark (?) in the following question?

$$\frac{2400 + 75\% \text{ of } ?}{3} = 1700$$

36.

- A. 3600                      B. 2100  
C. 4800                      D. 3200  
E. 3800

37.  $(12 \times 5 \div 4) \times 8 = ?$

- A. 125  
B. 120  
C. 118  
D. 122  
E. 130

38.  $984 \div 4 + ? \div 5 = 1578$

- A. 6660  
B. 6545  
C. 6735  
D. 6338  
E. 6680

39.  $? \% \text{ of } 4500 + 1200 = 2820$

- A. 32  
B. 36  
C. 44  
D. 40  
E. 30

40.  $(\sqrt{144} + \sqrt{169}) \times 3 = \frac{?}{5}$

- A. 375  
B. 360  
C. 315  
D. 320  
E. 410

41.  $(3 \div 4 + 25) \times 60 = ?$

- A. 1675                      B. 1545  
C. 1260                      D. 1815  
E. 1645

42.  $280 \div 4 \div 2 = 170 - ?$

- A. 125  
B. 140  
C. 135  
D. 145  
E. 120

43.  $\left(1\frac{1}{2} + \frac{2}{3} + \frac{5}{6}\right) \times 15 = ?$

- A. 42                              B. 35  
C. 45                              D. 48  
E. 36

44.  $3^3 + 6^2 + 440 = ?$

- A. 510  
B. 503  
C. 497  
D. 506  
E. 593

45.  $780 + 324 \div 6 - 112 = ?$

- A. 710  
B. 722  
C. 658  
D. 682  
E. 742

**Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

46.  $16x^2 - 16x + 3 = ?$

$Y = \sqrt[3]{8}$

- A.  $X > Y$   
B.  $X < Y$   
C.  $X \geq Y$   
D.  $X \leq Y$   
E.  $X=Y$  or No relation can be established

**Direction (47-52):** Given below are two quantities named I and II. Based on the given information, you have to determine the relation



between the two quantities. You should use the given data and your knowledge of Mathematics to choose among the possible answers.

47.

I.  $x^2 - 4 = 0$

II.  $y^2 - 6y + 9 = 0$

- A. Quantity I > Quantity II
- B. Quantity I < Quantity II
- C. Quantity I  $\geq$  Quantity II
- D. Quantity I  $\leq$  Quantity II
- E. Quantity I = Quantity II or No relation

48.I.  $5x^2 + 3x - 2 = 0$

II.  $4y^2 - 7y + 3 = 0$

- A.  $x < y$
- B.  $x > y$
- C.  $x \geq y$
- D.  $x \leq y$
- E.  $x = y$  or No relation

49.I.  $x^2 - 13x + 40 = 0$

II.  $y^2 - 6y + 5 = 0$

- A. Quantity I  $\geq$  Quantity II
- B. Quantity I < Quantity II
- C. Quantity I > Quantity II
- D. Quantity I  $\leq$  Quantity II
- E. Quantity I = Quantity II or No relation

50.I.  $8x^2 + 22x + 15 = 0$

II.  $15y^2 + 11y + 2 = 0$

- A. Quantity I < Quantity II
- B. Quantity I > Quantity II
- C. Quantity I  $\geq$  Quantity II
- D. Quantity I  $\leq$  Quantity II
- E. Quantity I = Quantity II or No relation

51. A alone can complete a piece of work in 25 days. B is 40% less efficient than A, then in how many days A and B working together can complete 80% of that work?

- A. 10 days
- B. 20 days

C. 15 days

D. 12.5 days

E. None of these

52. Average of 11 numbers is 71 and the average of first 5 numbers is 73. If average of last 4 numbers is 84 and the ratio of 6<sup>th</sup> and 7<sup>th</sup> number is 9 : 7, then find the 6<sup>th</sup> number.

- A. 27
- B. 36
- C. 45
- D. 54
- E. None of these

53. Ashu invested Rs. A in a scheme P and Rs. (A + 400) in another scheme Q. He got 10% per annum and 12% per annum simple interest on the schemes P and Q respectively. If after 2 years, he got total of Rs. 976 as interest from both the schemes, then what is the value of A?

- A. Rs. 1200
- B. Rs. 1600
- C. Rs. 2000
- D. Rs. 2100
- E. None of these

54. In a mixture of milk and water, the quantity of water is one fourth of the quantity of milk. Had the quantity of milk 40 litres more, then the quantity of milk would have been 5 times of the quantity of water. If 20 litres mixture is taken out of the mixture, then what is the quantity of milk left in the mixture?

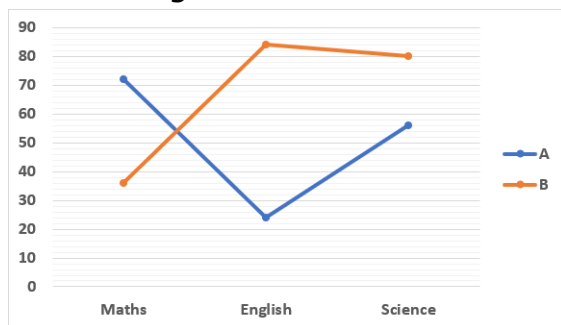
- A. 154 litres
- B. 156 litres
- C. 160 litres
- D. 144 litres
- E. 148 litres

55.A started a business with some investment. After 4 months A left the business and B joins the business with investment equal to the  $\frac{2}{5}$ <sup>th</sup> of the amount invested by A. At the same time C also join the business with investment equal to the  $\frac{3}{2}$ <sup>th</sup> of the amount invested by A. if at the end of the year, the difference between the profit share of A and C is Rs. 1000, then find the total profit earned by them.

- A. Rs. 2000                      B. Rs. 2400  
C. Rs. 2800                      D. Rs. 3000  
E. None of these

**Direction (56-60):** Study the following line graph and answer the following questions:

In the line graph, marks obtained by two students A and B in three subjects Maths, English and Science is given.



56. If a student C has scored 98 marks in Science, then by what percent C has scored more than B in Science?

- A. 20%                              B. 18%  
C. 45%                              D. 25%  
E. None of these

57.What is the average of the marks scored by A and B in English?

- A. 27                                      B. 36  
C. 50                                      D. 54

E. None of these

58.If the maximum marks in each of the subjects Maths, English and Science is 100, then the aggregate percentage marks obtained by B in the given three subjects?

- A. 60%                              B.  $66\frac{2}{3}\%$   
C. 75%                              D. 62.5%  
E. None of these

59.In the exam, A scored 44 marks in History and 36 marks in Geography. In the same two subjects, if C has scored 25% more marks than the marks scored by B in Maths and English respectively, then find the difference of the marks scored by C and A in History and Geography.

- A. 60  
B. 24  
C. 50  
D. 70  
E. None of these

60.Find the ratio of the marks scored by A in Maths and English together and the marks scored by B in Maths and Science together.

- A. 24 : 29  
B. 12 : 15  
C. 45 : 58  
D. 30 : 29  
E. None of these

61.A person gives 10% of his salary to his wife and 10% to his daughter. 50% of the remaining he invest in a scheme and 30% of the remaining he spends in various expenses. Rest amount he saves. If he spends Rs. 4500 on various expenses, then find the difference

between the amount he gives to his wife and his saving.

- A. Rs. 2250                      B. Rs. 6750
- C. Rs. 6575                    D. Rs. 7560
- E. None of these

62. A alone can complete a piece of work in 16 days and B alone can complete the same piece of work in 12 days. A starts the work and after 12 days B joins him. In how many days total work will be completed?

- A.  $15\frac{2}{7}$  days    B.  $13\frac{2}{5}$  days
- C.  $15\frac{3}{7}$  days    D.  $13\frac{5}{7}$  days
- E. None of these

63. Population of village A increased by 12% from 2012 to 2013. Number of males was the same in both years. If the number of females increased by 2220 from 2012 to 2013. What was the population of the village in 2013?

- A. 20160
- B. 18500
- C. 20720
- D. 19600
- E. 21840

64. Price of an article is marked up by Rs. 300. If 20% discount is offered then the percentage of the profit earned is 28%, then what will be the selling price, when it is sold at the discount of 10%?

- A. Rs. 900
- B. Rs. 540
- C. Rs. 630
- D. Rs. 720
- E. Rs. 450

65. Speed of a boat is 16 km per hour more than the speed of the stream. Time taken by boat to cover the distance 36 km downstream is equal to the time taken to cover the distance 24 km upstream, then the speed of the stream is

- A. 4 km/hr                      B. 3.5 km/hr
- C. 3 km/hr                      D. 2.5 km/hr
- E. 2 km/hr

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

There are eight people sitting around a circular table facing inwards. There is one person between A and B either from the left or right. B is third to the left of C. D is to the immediate right of C. The number of people sitting between D and A is equal to the number of people sitting between E and D. F is not an immediate neighbour of E. G is second to the left of F. There is one person between G and H.

66. Who among the following is sitting second to the right of A?

- A. D
- B. H
- C. E
- D. B
- E. None of the above

67. Which of the following statement is true?

- A. B is the neighbor of both F and C
- B. A is to the immediate right of C
- C. There is three person sitting between F and H
- D. B is sitting opposite to the C
- E. None of the above is true

68. Find the odd one out.

- A. EF
- B. AD
- C. CH
- D. DE
- E. BA

69. What is the position of E with respect to F?

- A. Third to the left
- B. Second to the right
- C. Third to the right
- D. fourth to the left
- E. None of the above

70. There are as many people between H (when we count from the left) and \_\_\_\_\_ as many as between B (when counted from the left) and G.

- |      |      |
|------|------|
| A. F | B. A |
| C. C | D. D |
| E. G |      |

71. How many such pairs of letters are there in the word 'Objects' each of which has as many letters between them in the word as in the English alphabet (Both forward and backward)?

- A. 1
- B. 2
- C. 3
- D. 4
- E. None

**Direction (72-76):** Study the following data carefully and answer the questions accordingly.  
WIG PAT FOR SET RUB

72. If the positions of the last two letters are interchanged in each word then how many words will end with a consonant?

- A. Two
- B. Three

C. One

D. Five

E. None

73. If all the letters in each of the words are arranged alphabetically within the word from left to right then how many words will remain unchanged?

- A. One
- B. Three
- C. Four
- D. Two
- E. None

74. If the second letter of all the words is changed to its next letter of the English alphabetical series then how many words thus formed will have no vowel?

- |                  |          |
|------------------|----------|
| A. Four          | B. Two   |
| C. One           | D. Three |
| E. None of these |          |

75. How many meaningful words of five letters can be formed using the third letter of each of the given words?

- A. Two
- B. One
- C. Five
- D. Four
- E. None

76. If all the words are arranged according to the alphabetical order from the left to the right then which of the following words will be third from the right?

- |                  |        |
|------------------|--------|
| A. FOR           | B. RUB |
| C. SET           | D. PAT |
| E. None of these |        |

**Direction (77-81):** Study the following information and answer the questions that follow.

There are eight friends sitting in a straight line facing north direction. A sits fourth from the left of the line. There is one person between A and H. C sits to the immediate right of H. More than three people are sitting between C and E. G sits to the immediate left of E. There is one person between G and B. D sits at one of the positions to the right of F. C and D are not immediate neighbours.

77. Who is an immediate neighbour of G?

- A. C                                      B. A
- C. B                                      D. D
- E. None of the above

78. Who among the following pair are sitting at the extreme ends?

- A. F, E                                      B. C, D
- C. D, G                                      D. E, C
- E. H, A

79. Which of the following statements is true?

- A. There is one person between B and E
- B. A is sitting second to the left of D
- C. C is sitting at the end
- D. Two person is sitting between D and B
- E. None of the above is true.

80. Find the odd one out.

- A. C B
- B. D E
- C. B F
- D. A D
- E. F C

81. How many people are sitting to the left of C?

- A. 1

- B. 2
- C. 3
- D. 4
- E. None

**Direction (82-84):** Study the following information and answer the given questions.

Evelyn starts walking from point Z towards the north. After walking 4 metres, she reaches point A. From point A, she starts moving towards the east and covers 6 meters to reach point B. From point B, she moves towards the north and covered 4 metres to finally reach point D. Point C is midway between A and B.

82. What is the distance between the initial and final point?

- A. 30m                                      B. 40 m
- C. 10m                                      D. 60m
- E. None of these

83. Point C is in which direction with respect to point A?

- A. North - West
- B. East
- C. West
- D. South
- E. North

84. What is the distance between point C and point D?

- A. 8m
- B. 3m
- C. 4m
- D. 5m
- E. None of these

**Direction (85-87):** In the following questions assuming the given statement to be true, find which of the conclusion(s) among

given conclusions is/are definitely true and then give your answers accordingly.

85. Statements:  $R < V \leq Q = T \geq W$

Conclusion:

I.  $R < T$

II.  $Q \geq W$

A. If only conclusion I follows

B. If only conclusion II follows.

C. If either conclusion I or II follows.

D. If neither conclusion I nor II follows.

E. If both conclusions I and II follow.

86.  $T \geq W > U = R \leq H$

A.  $T > U$                       B.  $W < H$

C.  $R = H$                       D.  $H < W$

E. None of the above

87.  $S = H \leq O \leq R = T$

A.  $H > R$                       B.  $O = T$

C.  $S > T$                       D.  $H > T$

E. None of the above.

88. How many meaningful words can be formed using the 1st, 3rd, 5th and 11th letters of the word INHERITANCE using each letter only one in the word?

A. 1                              B. 2

C. 3                              D. 4

E. None

**Direction:** In each question below, some statements are given followed by some 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/follow from the given statements,

disregarding commonly known facts.

89.

**Statements:**

Only a few pastries are sticks.

Only a few apples are pastries.

**Conclusions:**

I. Atleast some sticks are apples

II. No stick is an apple.

A. If only conclusion I follows

B. If only conclusion II follows.

C. If either conclusion I or II follows.

D. If neither conclusion I nor II follows.

E. If both conclusions I and II follow.

**Direction:** In the following questions, some statements and conclusions are given. Considering all the statements to be true, decide the conclusions which logically follow. Study the data carefully and answer the questions accordingly.

90. Statement:

A) All Fountains are Cone.

B) Only a few Den is Cone.

C) No Salt is Den.

Conclusion:

A) All Fountain can never be Den.

B) Some Cone is definitely not Salt.

A. If only conclusion I follows

B. If only conclusion II follows.

C. If either conclusion I or II follows.

D. If neither conclusion I nor II follows.

E. If both conclusions I and II follow.

**Direction:** In the following questions, some statements and conclusions are given. Considering all the statements to be true, decide the conclusions which logically follow. Study the data carefully and answer the questions accordingly.

**91. Statements:**

A) No River is a Sea.

B) No Cloud is Sea.

**Conclusion:**

A) No Cloud is River.

B) At least some Cloud are River.

A. If only conclusion I follows

B. If only conclusion II follows.

C. If either conclusion I or II follows.

D. If neither conclusion I nor II follows.

E. If both conclusions I and II follow.

92.If all the vowels of the word "IMPORTED" are moved one place forward in the alphabet series and all the consonants are moved one place backward in the alphabet series. Which will be the fourth letter from the left end after rearranging the letters of the word in alphabetical order from left to right.

A. L

B. P

C. O

D. F

E. None of these

**Direction:** Study the flowing information and answer the given questions.

Eight friends, A, B, C, D, E, F, G and H, are living in an eight-storey building, but not necessarily in the

same order. The ground floor is numbered 1; the floor above it is numbered 2; and so on, until the topmost floor is numbered 8. Only three people live between A and F, who lives on the lowermost floor. Only two people live above G, who is not an immediate neighbor of H. Only two people live between A and D. C lives on an odd numbered floor above D. E lives on a floor immediately above H.

93. Who among the following lives on the topmost floor?

A. H

B. B

C. E

D. F

E. A

94. Who among the following lives below H?

A. D

B. E

C. A

D. G

E. C

95. How many people live between F and G?

A. 5

B. 2

C. 3

D. 4

E. None of the above

96. On which floor does A live?

A. 2<sup>nd</sup>

B. 3<sup>rd</sup>

C. 4<sup>th</sup>

D. 5<sup>th</sup>

E. None of the above

97. Who among the following lives on the 7<sup>th</sup> floor?

A. D

B. H

C. C

D. A

E. F

**Direction (98-100):** Study the following information and answer the questions that follow.

In a family, P is married to Q. R is the only sibling of Q. S is the only nephew of R. R is unmarried. T is the grandfather of S. U is the only son of T. T is married to V.

98. If U is married to X, then what is the relationship of X with respect to V?
- A. Son
  - B. Son-in-law
  - C. Daughter-in-law

- D. Daughter
- E. None of these

99. How is P related to S?

- A. Mother
- B. Father
- C. Uncle
- D. Brother
- E. Sister

100. How is Q related to P

- A. Sister
- B. Father
- C. Wife
- D. Husband
- E. None of the above

### ANSWERS

1. Ans. A.

The correct spelling of 'footbal' is 'football'. So, the correct option is A.

2. Ans. C.

The correct spelling of 'plase' is 'place'. So, the correct option is C.

3. Ans. D.

The correct spelling of 'balance' is 'balance'. So, the correct option is D.

4. Ans. E.

All the spellings are correct. So, the correct option is A.

5. Ans. D.

The correct spelling of '**rejuvination**' is '**rejuvenation**'. So, the correct option is D.

6. Ans. C.

A bankruptcy settlement cannot be "installed" or "instructed". Thus, A and B are incorrect. Option D is a noun, but we need a verb in

the blank. "Block" is the most appropriate answer.

7. Ans. D.

Being late will amount to punishment. Hence, "penalised" which means subjected to a penalty or punishment, is the correct answer.

8. Ans. A.

You 'sit for', 'take' or 'appear' an exam in order to attempt it. Thus, option A is the correct answer

9. Ans. C.

An official document like a visa will get rejected and not 'excluded' or 'restrained'. Thus, option C is the correct answer.

10. Ans. B.

Intermittent- occurring at irregular intervals; not continuous or steady.

I. The word does not fit in the first sentence as in the context of the sentence, the songs were being played repeatedly. Hence,



"intermittent" is incorrect in the given context.

II. The word has been correctly used here.

III. In the third sentence, "intermittent" has been used as a noun, which is incorrect.

Hence, the correct answer is option B.

11. Ans. A.

"Docile" (Adjective) - ready to accept control or instruction; submissive

The word has been used correctly in the first sentence.

The word has been used as a noun in the 2nd sentence, thus, the sentence is incorrect.

A difficult child cannot be "docile" at the same time. Thus, III is also incorrect.

Hence, the correct answer is A.

12. Ans. E.

Marginal (Adjective)

Relating to or at the edge or margin.

Minor and not important; not central.

The word has been used correctly in all the sentences.

13. Ans. E.

Analyse (Verb)- examine (something) methodically and in detail, typically in order to explain and interpret it.

None of the sentences uses the word correctly. Thus, option E is the answer.

14. Ans. B.

Either B or C can appear to be the first sentence. The other sentences either carry phrases like "On the other hand" and "hence", both of which indicate the presence of a sentence(s) before it, or the pronoun "it", which indicate the same. Between B and C, B is the most appropriate starter as it expresses the idea and C elaborates on it by stating an example. So, C will come later in the passage. So, B is the first sentence of the passage.

Now, A and E form a mandatory pair as the former carries the phrase "on the one hand, to talk about the employees, while the latter carries the phrase "on the other hand" to talk about the employers. Since A mentions the pronoun "it", we need a sentence that mentions the subject it is referring to. The subject is carried in B, that mentions the 'act of separation'. Hence B, E and A are the first three sentences in the given sequence. Now, between C and D, D will follow C as D draws a conclusion from the statement given in C. Hence the correct sequence is BEACD.

So, the second is sentence E.

15. Ans. D.

Either B or C can appear to be the first sentence. The other sentences either carry phrases like "On the other hand" and "hence", both of which indicate the presence of a sentence(s) before it, or the pronoun "it", which indicate the same. Between B and C, B is the most appropriate

starter as it expresses the idea and C elaborates on it by stating an example. So, C will come later in the passage. So, B is the first sentence of the passage.

Now, A and E form a mandatory pair as the former carries the phrase "on the one hand, to talk about the employees, while the latter carries the phrase "on the other hand" to talk about the employers. Since A mentions the pronoun "it", we need a sentence that mentions the subject it is referring to. The subject is carried in B, that mentions the 'act of separation'. Hence B, E and A are the first three sentences in the given sequence. Now, between C and D, D will follow C as D draws a conclusion from the statement given in C. Hence the correct sequence is BEACD.

So, the third is sentence A.

16. Ans. A.

Either B or C can appear to be the first sentence. The other sentences either carry phrases like "On the other hand" and "hence", both of which indicate the presence of a sentence(s) before it, or the pronoun "it", which indicate the same. Between B and C, B is the most appropriate starter as it expresses the idea and C elaborates on it by stating an example. So, C will come later in the passage. So, B is the first sentence of the passage.

Now, A and E form a mandatory pair as the former carries the phrase "on the one hand, to talk about the employees, while the latter carries the phrase "on the

other hand" to talk about the employers. Since A mentions the pronoun "it", we need a sentence that mentions the subject it is referring to. The subject is carried in B, that mentions the 'act of separation'. Hence B, E and A are the first three sentences in the given sequence. Now, between C and D, D will follow C as D draws a conclusion from the statement given in C. Hence the correct sequence is BEACD.

So, the fourth is sentence C.

17. Ans. D.

Either B or C can appear to be the first sentence. The other sentences either carry phrases like "On the other hand" and "hence", both of which indicate the presence of a sentence(s) before it, or the pronoun "it", which indicate the same. Between B and C, B is the most appropriate starter as it expresses the idea and C elaborates on it by stating an example. So, C will come later in the passage. So, B is the first sentence of the passage.

Now, A and E form a mandatory pair as the former carries the phrase "on the one hand, to talk about the employees, while the latter carries the phrase "on the other hand" to talk about the employers. Since A mentions the pronoun "it", we need a sentence that mentions the subject it is referring to. The subject is carried in B, that mentions the 'act of separation'. Hence B, E and A are the first three sentences in the given sequence. Now, between C and D, D will follow C as D draws

a conclusion from the statement given in C. Hence the correct sequence is BEACD.

So, the fifth is sentence D.

18. Ans. C.

Either B or C can appear to be the first sentence. The other sentences either carry phrases like "On the other hand" and "hence", both of which indicate the presence of a sentence(s) before it, or the pronoun "it", which indicate the same. Between B and C, B is the most appropriate starter as it expresses the idea and C elaborates on it by stating an example. So, C will come later in the passage. So, B is the first sentence of the passage.

Now, A and E form a mandatory pair as the former carries the phrase "on the one hand, to talk about the employees, while the latter carries the phrase "on the other hand" to talk about the employers. Since A mentions the pronoun "it", we need a sentence that mentions the subject it is referring to. The subject is carried in B, that mentions the 'act of separation'. Hence B, E and A are the first three sentences in the given sequence. Now, between C and D, D will follow C as D draws a conclusion from the statement given in C. Hence the correct sequence is BEACD.

So, the first is sentence B.

19. Ans. D.

The passage revolves around the idea of unmanageable workload

and an employee getting overwhelmed due to it and suggests ways to tackle the same. The passage mentions "it's a good idea to speak to your boss". "If your boss is professional, you should get a positive reaction when raising the issue". In this regard, a professional boss will try to help the employee. A possible method is illustrated in option D which is the correct choice.

20. Ans. A.

As per the passage, only I and II are true. It is mentioned that if you are feeling overwhelmed at work, it is important to find out why you feel that way and find a way to have a stress free work life. So statement III is incorrect, making option A as the correct choice.

21. Ans. C.

It is mentioned in the passage "Often people who say yes to everything have this instilled in them in childhood because they think if they do not obey rules they will be rejected. In a working environment people might think they are lucky to have a job, so it is best to keep their head down and not fuss. Challenging this type of work programming can take some time, but it can be done". It can be clearly inferred that option C is the correct choice.

22. Ans. B.

'Demand' means 'pressing requirements' which is synonymous to 'Requirements' which means 'a thing that is compulsory; a necessary condition'. So, the correct choice is B.

23. Ans. B.

It is clearly mentioned in the passage that "If a bad boss is putting extra work on you without caring, then that's a more difficult situation. In these circumstances, it is worth speaking to a trade union or employee representative". So, the correct choice is B.

24. Ans. C.

In the second paragraph, it is mentioned "Feeling out of control and under pressure is a form of emotional overloading and can also trigger the release of stress hormones such as cortisol and adrenaline.....Once we understand what triggers the stress, we can perhaps understand why that is and we can build strategies around those things". Statement II states the opposite of this fact and thus is incorrect.

In the third paragraph, it is mentioned "If your workload is unmanageable, it's a good idea to speak to your boss ..... Explain to your boss the tasks you are involved in, how long they take, the resources they require, why you find them challenging, and practical suggestions for a solution". The author is likely to agree with the rationale that the boss is more likely to help with workload management rather than handing out a promotion. This makes statement II incorrect as well.

In the fourth paragraph, it is mentioned that "Often people who say yes to everything have this instilled in them in childhood

because they think if they do not obey rules they will be rejected. In a working environment people might think they are lucky to have a job, so it is best to keep their head down and not fuss". Statement III agrees with this fact and is thus our correct choice.

25. Ans. D.

'Daunting' means 'seeming difficult to deal with in prospect; intimidating' which is synonymous to 'Scary' which means 'frightening; causing fear'. 'Prospect' means 'a mental picture of a future or anticipated event' which is synonymous to 'idea' which means 'a mental impression'. So, the correct choice is D.

26. Ans. C.

'Fuss' means 'a protest or dispute of a specified degree or kind' which is synonymous to 'Protest' which means 'a statement or action expressing disapproval of or objection to something'. So, the correct choice is C.

27. Ans. B.

In options A, we need to replace 'calls out' with 'called'.

In options C, we need to replace 'purchases' with 'purchase'.

In options D, we need to replace 'have' with 'had' as all the actions are taking place in past.

So, the correct option is B.

Note: The past tense of 'shut' is 'shut'. As the sentence is in the past, the correct usage is 'shut'.

28. Ans. A.

Assessing all options, we can trace the following errors:

In options B, we need to replace 'massively' with 'massive' as an adjective can qualify a noun.

In options C, we need to replace 'United States' with 'the United States'.

In options D, we need to replace 'settles' with 'settle/ settled'.

Only option A does not have any grammatical errors leaving it as the correct answer.

29. Ans. C.

In options A, we need to replace 'reason' with 'reasons' because as we are talking about one reason out of many, 'reasons' is the correct answer.

In options B, we need to replace 'draw' with 'drawing' as 'drawing' is a gerund, a verb form which functions as a noun.

In options A, we need to replace 'to travelling' with either 'of travelling' and 'to travel'.

So, the correct option is C.

30. Ans. A.

In options B, we need to replace 'There' with 'They are'.

In options C, we need to replace 'at' with 'to'.

In options D, we need to replace 'about' with 'around'.

So, the correct option is A.

31. Ans. C.

The pattern of the series is:

$$72000 \div 2 = 36000$$

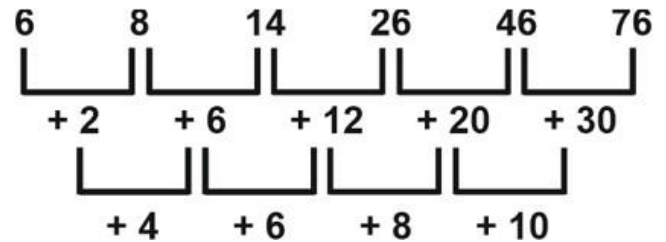
$$36000 \div 3 = 12000$$

$$12000 \div 4 = 3000$$

$$3000 \div 5 = 600$$

$$600 \div 6 = 100$$

32. Ans. B.



33. Ans. A.

The pattern of the series is:

$$76 + 2^2 = 80$$

$$80 + 3^3 = 107$$

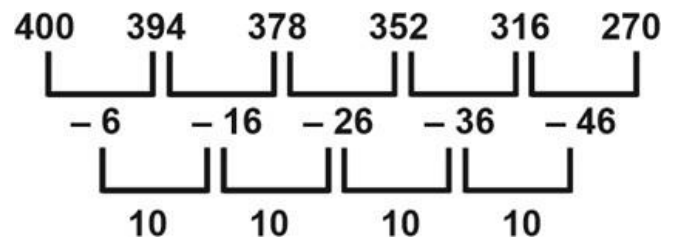
$$107 + 4^2 = 123$$

$$123 + 5^3 = 248$$

$$248 + 6^2 = 286$$

34. Ans. A.

The pattern of the series is:



35. Ans. C.

The pattern of the series is:

$$18 + 13 = 31$$

$$31 + 11 = 42$$

$$42 + 7 = 49$$

$$49 + 5 = 54$$

$$54 + 3 = 57$$

here, 3, 5, 7, 11, 13 are prime numbers.

36. Ans. A.

$$\frac{2400 + 75\% \text{ of } ?}{3} = 1700$$

$$\Rightarrow 2400 + \frac{75}{100} \times ? = 5100$$

$$\Rightarrow \frac{3}{4} \times ? = 5100 - 2400$$

$$\Rightarrow \frac{3}{4} \times ? = 2700$$

$$\Rightarrow ? = \frac{2700 \times 4}{3} = 3600$$

$$\Rightarrow ? = 3600$$

37. Ans. B.

$$? = (12 \times 5 \div 4) \times 8$$

$$? = \left(12 \times \frac{5}{4}\right) \times 8$$

$$? = 15 \times 8$$

$$? = 120$$

38. Ans. A.

$$984 \div 4 + ? \div 5 = 1578$$

$$\Rightarrow \frac{984}{4} + \frac{?}{5} = 1578$$

$$= 246 + \frac{?}{5} = 1578$$

$$= \frac{?}{5} = 1332$$

$$| ? = 6660$$

39. Ans. B.

$$= \frac{?}{100} \times 4500 = 2820 - 1200$$

$$? \times 45 = 1620$$

$$? = \frac{1620}{45} = 36$$

40. Ans. A.

$$|(\sqrt{144} + \sqrt{169}) \times 3 = \frac{?}{5}$$

$$\Rightarrow \frac{?}{5} = (12 + 13) \times 3$$

$$= \frac{?}{5} = 25 \times 3$$

$$= \frac{?}{5} = 75$$

41. Ans. B.

$$? = (3 \div 4 + 25) \times 60$$

$$? = \left(\frac{3}{4} + 25\right) \times 60$$

$$? = \left(\frac{3 + 100}{4}\right) \times 60$$

$$? = \left(\frac{103}{4}\right) \times 60$$

$$? = 103 \times 15$$

$$? = 1545$$

42. Ans. C.

$$280 \div 4 \div 2 = 170 - ?$$

$$280/8 = 170 - ?$$

$$35 = 170 - ?$$

$$? = 170 - 35 = 135$$

43. Ans. C.

$$? \left( \frac{3}{2} + \frac{2}{3} + g \right) .as$$

$$\left( \frac{9+4+S}{6} \right) .s$$

$$? - \left( \frac{18}{6} .is \right)$$

$$?: 45$$

$$? \quad 780 + \frac{324}{6} - 112$$

$$? = 780 + 54 - 112$$

$$? = 722$$

. (i)  $16x^* - 16x + 3 = ?$

$$16x^* - (12 + 4) x + 3 = ?$$

$$16x^* - 12x - 4x - r 3 = ?$$

$$4x (4x - 3) - 1 (4x - 3) = ?$$

$$(4x - 3) (4x - 1) = ?$$

$$x = 1, \frac{3}{4}$$

(ii)  $Y = \sqrt[3]{8}$

$$Y = 2$$

47. Ans. B.

(i)  $x^2 - 4 = 0$

$$x^2 = 4$$

$$x = 2$$

(t)  $y^2 - 6y + 9 = 0$

$$y^2 - (3 + 3) y + 9 = 0$$

$$y^2 - 3y - 3y + 9 = 0$$

$$y(y - 3) - 3(y - 3) = 0$$

$$(y - 3) (y - 3) = 0$$

$$y = 3$$

(i)  $5x^* + 3x - 2 = 0$

$$5x^* + (5 - 2) x - 2 = 0$$

$$ix' + 5x - 2x - 2 = 0$$

$$MX (X + 1) - 2 (x + 1) = 0$$

$$(5x - 2) (x + 1) = 0$$

$$x = 2/5, -1$$

(tt)  $4y^* - 7y + 3 = 0$

$$4y^* - (4 + 3) y + 3 = 0$$

$$4y' - 4Y - 3y + 3 = D$$

$$4y(y - 1) - 3(y - 1) = 0$$

$$(4y - 3) (y - 1) = 0$$

$$y = 3/4, 1$$

(i)  $x^2 - 13x + 40 = 0$

$$x^2 - (8 + 5) x + 40 = 0$$

$$x^2 - 8x - 5x + 40 = 0$$

$$x (x - 8) - 5 (x - 8) = 0$$

$$(x - 8) (x - 5) = 0$$

(ii)  $y' - 6y + 5 = 0$

$$y^2 - (5 + 1) y + 5 = 0$$

$$y^* - 5y - y - 5 = 0$$

$$@y - 5 - 1 (y - 5) = 0$$

$$(y - 5) (y - 1) = 0$$

$$y = 5, 1$$

50. Ans. A.

(i)  $8x^2 + 22x + 15 = 0$

$$8x^2 + (12 + 10)x + 15 = 0$$

$$8x^2 + 12x + 10x + 15 = 0$$

$$4x(2x + 3) + 5(2x + 3) = 0$$

$$(4x + 5)(2x + 3) = 0$$

$$x = -5/4, -3/2$$

(ii)  $15y^2 + 11y + 2 = 0$

$$15y^2 + (6 + 5)y + 2 = 0$$

$$15y^2 + 6y + 5y + 2 = 0$$

$$3y(5y + 2) + 1(5y + 2) = 0$$

$$(5y + 2)(3y + 1) = 0$$

$$y = -2/5, -1/3$$

51. Ans. D.

Let efficiency of A = 10, then  
efficiency of B = 10 - 40% of 10 =  
10 - 4 = 6

Total work = Efficiency of A × No.  
of days = 10 × 25 = 250

Required number of days =  
 $\frac{80\% \text{ of total work}}{\text{Sum of efficiencies of A and B}} = \frac{80\% \times 250}{10 + 6} =$

$\frac{200}{16} = 12.5$  days

52. Ans. C.

Let the 6<sup>th</sup> number = 9x, then 7<sup>th</sup>  
number = 7x

According to question

$$11 \times 71 = 5 \times 73 + 9x + 7x + 4 \times 84$$

$$\Rightarrow 781 = 365 + 16x + 336$$

$$\Rightarrow 16x = 781 - (365 + 336) = 80$$

$$\Rightarrow x = \frac{80}{16} = 5$$

Hence, the 6<sup>th</sup> number = 9x = 9 ×  
5 = 45

53. Ans. C.

According to question,

For scheme P:

$$\text{Interest for 2 years} = \frac{A \times 10 \times 2}{100} = 0.2A \quad \dots(i)$$

For scheme Q:

$$\text{Interest for 2 years} = \frac{(A + 400) \times 12 \times 2}{100} = 0.24A + 96 \quad \dots(ii)$$

Now, (i) + (ii) = 976

$$\Rightarrow \text{So, } 0.2A + 0.24A + 96 = 976$$

$$\Rightarrow 0.44A = 880$$

$$\Rightarrow A = 2000$$

54. Ans. D.

Let the initial quantity of milk =  
4x litres, then initial quantity of  
water = x litres

According to question

$$4x + 40 = 5 \times x$$

$$\Rightarrow x = 40$$

Total initial quantity of mixture =  
4x + x = 5x = 5 × 40 = 200 litres

Required answer =  $\frac{4}{5}$  of (200 - 20)  
= 144 litres

55. Ans. B.

Let investment of A = 10, then

$$\text{Investment of B} = \frac{2}{5} \times 10 = 4$$

$$\text{Investment of C} = \frac{3}{2} \times 10 = 15$$

According to question



$$15 \times 8 - 10 \times 4 \equiv \text{Rs. } 1000$$

$$\Rightarrow 80 \equiv \text{Rs. } 1000$$

$$\Rightarrow 1 \equiv \text{Rs. } 25/2$$

Hence, the total profit earned by them =  $10 \times 4 + 4 \times 8 + 15 \times 8 = 192 \equiv 192 \times \text{Rs. } 25/2 = \text{Rs. } 2400$

56. Ans. E.

$$\text{Required percentage} = \frac{98 - 80}{80} \times 100 = 22.5\%$$

57. Ans. D.

$$\text{Required average} = \frac{84 + 24}{2} = 54.$$

58. Ans. B.

$$\begin{aligned} \text{Required aggregate percentage} &= \frac{36 + 84 + 80}{\frac{100 + 100 + 100}{2}} \times 100 = \frac{200}{300} \times 100 \\ &= 66\frac{2}{3}\% \end{aligned}$$

59. Ans. D.

Marks scored by A in History and geography =  $44 + 36 = 80$

Marks scored by C in History and geography =  $(36 + 25\% \text{ of } 36) + (84 + 25\% \text{ of } 84) = (36 + 9) + (84 + 21)$

$$= 150$$

Hence, the required difference =  $150 - 80 = 70$ .

60. Ans. A.

Required ratio =  $(72 + 24) : (36 + 80) = 96 : 116 = 24 : 29$ .

61. Ans. B.

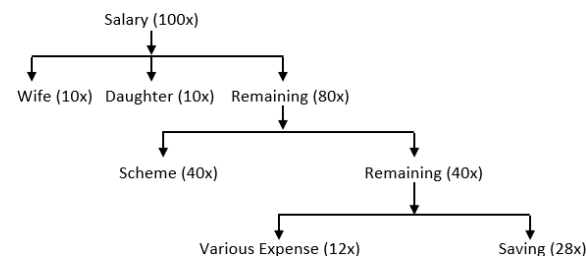
Let the salary of the person = Rs.  $100x$ , then

Amount given to his wife and his daughter are Rs.  $10x$  and Rs.  $10x$  respectively.

Amount invested in the scheme = 50% of remaining = 50% of  $(100x - 10x - 10x) = 50\% \text{ of } 80x = 40x$

Amount spent on the various expenses = 30% of remaining = 30% of  $(80x - 40x) = 30\% \text{ of } 40x = 12x$

Amount saved =  $40x - 12x = 28x$



According to question

$$12x = \text{Rs. } 4500$$

$$\Rightarrow 6x \equiv \text{Rs. } 2250$$

Hence, the required difference = Saving - Amount given to his wife =  $28x - 10x = 18x = 3 \times 6x = 3 \times \text{Rs. } 2250 = \text{Rs. } 6750$

62. Ans. D.

Let the work completed in  $(12 + x)$  days, then

According to question

$$\frac{12 + x}{16} + \frac{x}{12} = 1$$

$$\Rightarrow \frac{x}{16} + \frac{x}{12} = 1 - \frac{12}{16} = \frac{4}{16} = \frac{1}{4}$$

$$\Rightarrow \frac{7x}{48} = \frac{1}{4}$$

$$\Rightarrow x = \frac{12}{7}$$

Hence, required number of days =

$$12 + x = 12 + \frac{12}{7} = 13\frac{5}{7} \text{ days}$$

63. Ans. C.

Let the total population in the year 2012 =  $100x$ , then

Increment in total population =  
 Increment in male population +  
 Increment in female population

$$\Rightarrow 12x = 0 + 2220$$

$$\Rightarrow x = \frac{2220}{12} = 185$$

Hence, required population =  $100x + 12x = 112x = 112 \times 185 = 20720$ .

64. Ans. D.

Let the cost price = Rs.  $100x$ ,  
 then initial selling price = Rs.  
 $(100x + 28x) = \text{Rs. } 128x$

Marked price = RS.  $(100x + 300)$

Selling price = Marked price -  
 Discount

$$128x = (100x + 300) \times 0.8$$

$$\Rightarrow 128x = 80x + 240$$

$$\Rightarrow 48x = 240$$

$$\Rightarrow x = 5$$

Hence, required selling price =  
 Marked price  $\times 0.9 = (100x + 300) \times 0.9 = 800 \times 0.9 = \text{Rs. } 720$ .

65. Ans. A.

Let the speed of the stream =  $x$   
 km/hr, then speed of the boat =  $(x + 16)$  km/hr

According to question

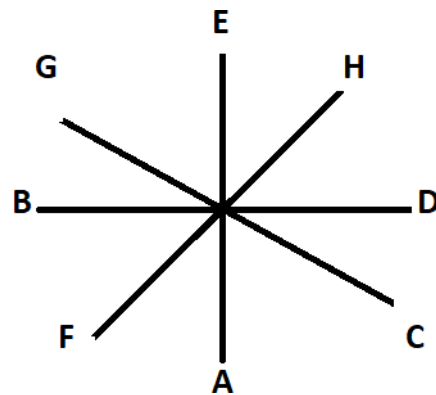
$$\frac{36}{(x + 16) + x} = \frac{24}{(x + 16) - x}$$

$$\Rightarrow \frac{36}{2x + 16} = \frac{24}{16}$$

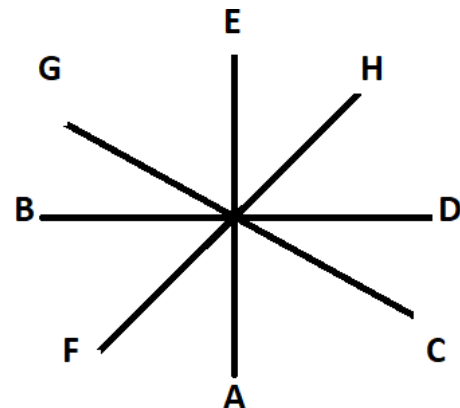
$$\Rightarrow \frac{36}{2x + 16} = \frac{24}{16}$$

$$\Rightarrow X = 4$$

66. Ans. A.

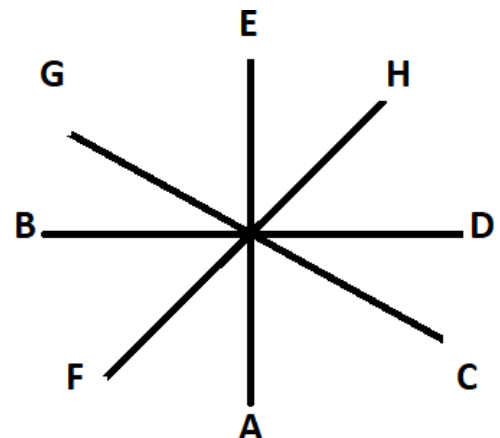


67. Ans. C.

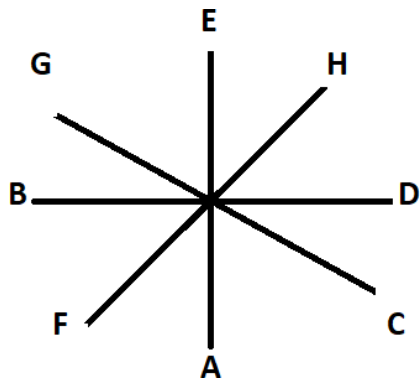


68. Ans. A.

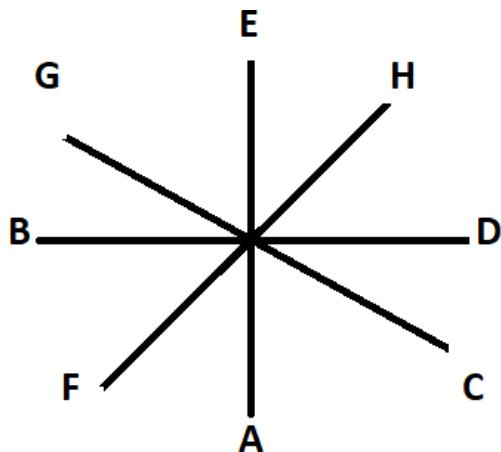
In all except option a, there is one person between them.



69. Ans. A.



70. Ans. D.



71. Ans. B.

**OBJECTS**

**15 2 10 5 3 20 19**

72. Ans. E.

WIG PAT FOR SET RUB

After interchange - WGI PTA FRO  
STE RBU

73. Ans. A.

WIG PAT FOR SET RUB

After rearrangement - GIW APT  
FOR EST BRU

Therefore, option A is the correct  
answer.

74. Ans. E.

WIG PAT FOR SET RUB

After change - WJG PBT FPR SFT  
RVB

Therefore, option E is the correct  
answer.

75. Ans. E.

WIG PAT FOR SET RUB

Third letter of each word - G, T, R,  
T, B

Meaningful words - None

Therefore, option E is the correct  
answer.

76. Ans. B.

WIG PAT FOR SET RUB

After rearrangement - FOR PAT  
RUB SET WIG

77. Ans. D.

F H C A B D G E

78. Ans. A.

F H C A B D G E

79. Ans. B.

F H C A B D G E

80. Ans. C.

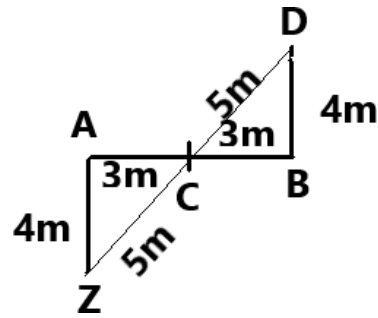
There is only one person between them, except for option c.

F H C A B D G E

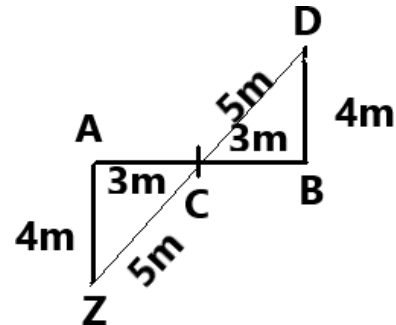
81. Ans. B.

F H C A B D G E

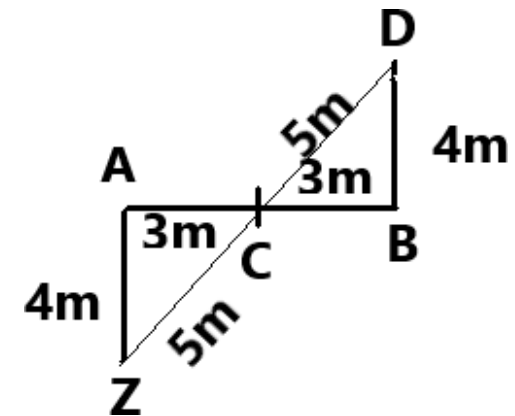
82. Ans. C.



83. Ans. B.



84. Ans. D.



85. Ans. E.

$R < V \leq Q = T$  --  $R < T$  -- true

$Q = T \geq W$  --  $Q \geq W$  -- true

86. Ans. A.

$T \geq W > U$ . Hence, Option A follows.

87. Ans. E.

None of the conclusion follows.

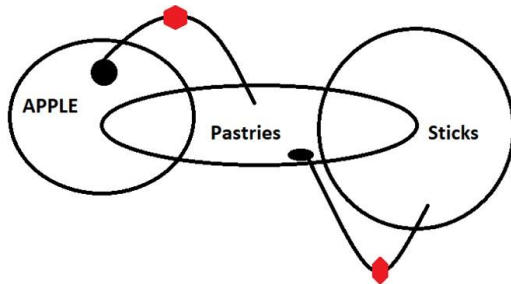
88. Ans. B.

The 1st, 3rd, 5th and 11th letters of the word INHERITANCE are I, H, R and E.

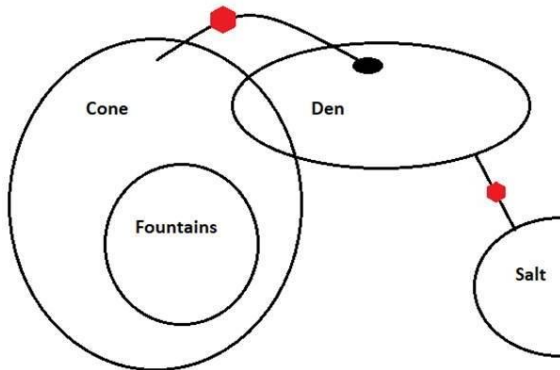
HEIR, HIRE

Thus, 2 four letter meaningful words can be formed.

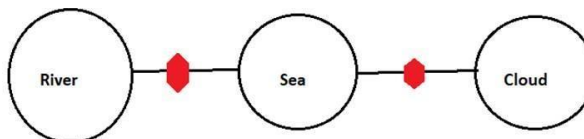
89. Ans. C.



90. Ans. B.



91. Ans. C.



If we have no direct relation given element, and in both conclusion elements are same with **some** and

**no**. Then, always "either, or" will follow

92. Ans. A.

IMPORTED - JLOPQSFC - CFJLOPQS

93. Ans. B.

Persons: A, B, C, D, E, F G and H

Floors: 1, 2, 3, 4, 5, 6, 7 and 8

Step 1:

Only three people live between A and F, who lives on the lowermost floor.

Only two people live above G, who is not an immediate neighbor of H.

Floors	Persons
8	
7	
6	G
5	A
4	
3	
2	
1	F

Step 2:

Only two people live between A and D.

Thus, we have two possibilities:

Floors	Persons (Case I)	Persons (Case II)
8		D
7		
6	G	G
5	A	A
4		
3		
2	D	
1	F	F

Step 3:

C lives on an odd numbered floor above D.

Thus, case II got dismissed.

But, C lives on either 3<sup>rd</sup> or 5<sup>th</sup> floor. Hence, we have two possibilities.

Floors	Persons (Case I)	Persons (Case II)
8		
7		C
6	G	G
5	A	A
4		
3	C	
2	D	D
1	F	F

Step 4:

E lives on a floor immediately above H.

Floors	Persons (Case I)	Persons (Case II)
8	E	
7	H	C
6	G	G
5	A	A
4		E
3	C	H
2	D	D
1	F	F

Step 5:

Only two people live above G, who is not an immediate neighbor of H.

Thus, case I got dismissed. Only case II is valid.

Floors	Persons
8	
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Only one person and position is left. And he is B.

Floors	Persons
8	B
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Thus, the puzzle is solved.

Therefore, B lives on the topmost floor.

94. Ans. A.

Persons: A, B, C, D, E, F and G

Floors: 1, 2, 3, 4, 5, 6, 7 and 8

Step 1:

Only three people live between A and F, who lives on the lowermost floor.

Only two people live above G, who is not an immediate neighbor of H.

Floors	Persons
8	
7	
6	G
5	A
4	
3	
2	
1	F

Step 2:

Only two people live between A and D.

Thus, we have two possibilities:

Floors	Persons (Case I)	Persons (Case II)
8		D
7		
6	G	G
5	A	A
4		
3		
2	D	
1	F	F

Step 3:

C lives on an odd numbered floor above D.

Thus, case II got dismissed.

But, C lives on either 3<sup>rd</sup> or 5<sup>th</sup> floor. Hence, we have two possibilities.

Floors	Persons (Case I)	Persons (Case II)
8		
7		C
6	G	G
5	A	A
4		
3	C	
2	D	D
1	F	F

Step 4:

E lives on a floor immediately above H.

Floors	Persons (Case I)	Persons (Case II)
8	E	
7	H	C
6	G	G
5	A	A
4		E
3	C	H
2	D	D
1	F	F

Step 5:

Only two people live above G, who is not an immediate neighbor of H.

Thus, case I got dismissed. Only case II is valid.

Floors	Persons
8	
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Only one person and position is left. And he is B.

Floors	Persons
8	B
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Thus, the puzzle is solved.

Therefore, D lives below H.

95. Ans. D.

Persons: A, B, C, D, E, F and G

Floors: 1, 2, 3, 4, 5, 6, 7 and 8

Step 1:

Only three people live between A and F, who lives on the lowermost floor.

Only two people live above G, who is not an immediate neighbor of H.

Floors	Persons
8	
7	
6	G
5	A
4	
3	
2	
1	F

Step 2:

Only two people live between A and D.

Thus, we have two possibilities:

Floors	Persons (Case I)	Persons (Case II)
8		D
7		
6	G	G
5	A	A
4		
3		
2	D	
1	F	F

Step 3:

C lives on an odd numbered floor above D.

Thus, case II got dismissed.

But, C lives on either 3<sup>rd</sup> or 5<sup>th</sup> floor. Hence, we have two possibilities.

Floors	Persons (Case I)	Persons (Case II)
8		
7		C
6	G	G
5	A	A
4		
3	C	
2	D	D
1	F	F

Step 4:

E lives on a floor immediately above H.

Floors	Persons (Case I)	Persons (Case II)
8	E	
7	H	C
6	G	G
5	A	A
4		E
3	C	H
2	D	D
1	F	F

Step 5:

Only two people live above G, who is not an immediate neighbor of H.

Thus, case I got dismissed. Only case II is valid.

Floors	Persons
8	
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Only one person and position is left. And he is B.

Floors	Persons
8	B
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Thus, the puzzle is solved.

Therefore, 4 people live between F and G.

96. Ans. D.

Persons: A, B, C, D, E, F and G



Floors: 1, 2, 3, 4, 5, 6, 7 and 8

Step 1:

Only three people live between A and F, who lives on the lowermost floor.

Only two people live above G, who is not an immediate neighbor of H.

Floors	Persons
8	
7	
6	G
5	A
4	
3	
2	
1	F

Step 2:

Only two people live between A and D.

Thus, we have two possibilities:

Floors	Persons (Case I)	Persons (Case II)
8		D
7		
6	G	G
5	A	A
4		
3		
2	D	
1	F	F

Step 3:

C lives on an odd numbered floor above D.

Thus, case II got dismissed.

But, C lives on either 3<sup>rd</sup> or 5<sup>th</sup> floor. Hence, we have two possibilities.

Floors	Persons (Case I)	Persons (Case II)
8		
7		C
6	G	G
5	A	A
4		
3	C	
2	D	D
1	F	F

Step 4:

E lives on a floor immediately above H.

Floors	Persons (Case I)	Persons (Case II)
8	E	
7	H	C
6	G	G
5	A	A
4		E
3	C	H
2	D	D
1	F	F

Step 5:

Only two people live above G, who is not an immediate neighbor of H.

Thus, case I got dismissed. Only case II is valid.

Floors	Persons
8	
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Only one person and position is left. And he is B.

Floors	Persons
8	B
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Thus, the puzzle is solved.

Hence, A lives on the 5<sup>th</sup> floor.

97. Ans. C.

Persons: A, B, C, D, E, F and G

Floors: 1, 2, 3, 4, 5, 6, 7 and 8

Step 1:

Only three people live between A and F, who lives on the lowermost floor.

Only two people live above G, who is not an immediate neighbor of H.

Floors	Persons
8	
7	
6	G
5	A
4	
3	
2	
1	F

Step 2:

Only two people live between A and D.

Thus, we have two possibilities:

Step 5:

Floors	Persons (Case I)	Persons (Case II)
8		D
7		
6	G	G
5	A	A
4		
3		
2	D	
1	F	F

Step 3:

C lives on an odd numbered floor above D.

Thus, case II got dismissed.

But, C lives on either 3<sup>rd</sup> or 5<sup>th</sup> floor. Hence, we have two possibilities.

Floors	Persons (Case I)	Persons (Case II)
8		
7		C
6	G	G
5	A	A
4		
3	C	
2	D	D
1	F	F

Step 4:

E lives on a floor immediately above H.

Floors	Persons (Case I)	Persons (Case II)
8	E	
7	H	C
6	G	G
5	A	A
4		E
3	C	H
2	D	D
1	F	F

Only two people live above G, who is not an immediate neighbor of H.

Thus, case I got dismissed. Only case II is valid.

Floors	Persons
8	
7	C
6	G
5	A
4	E
3	H
2	D
1	F

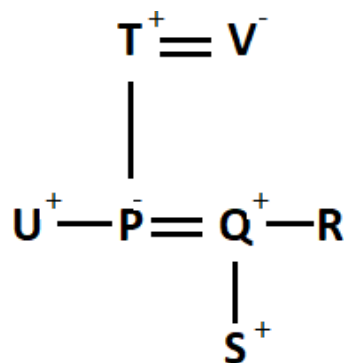
Only one person and position is left. And he is B.

Floors	Persons
8	B
7	C
6	G
5	A
4	E
3	H
2	D
1	F

Thus, the puzzle is solved.

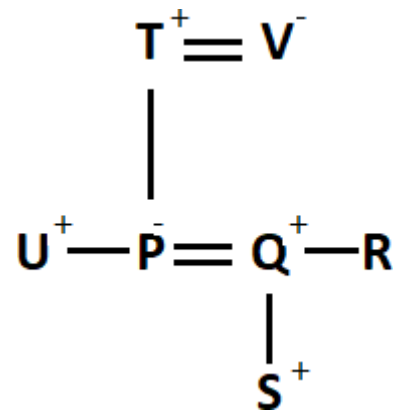
Therefore, C lives on the 7<sup>th</sup> floor.

98. Ans. C.



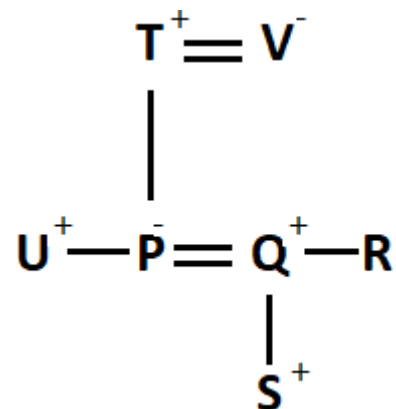
Therefore, Option 'C' is the correct answer.

99. Ans. A.



Therefore, Option 'A' is the correct answer.

100. Ans. D.



Therefore, Option 'D' is the correct answer.