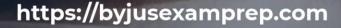


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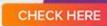






Direction (1-5): What should come in place of the question mark (?) in the following number series? 1. 30, 60, 20, 80, 16, ? A. 96 B. 90 C. 76 D. 64 E. 54 2.326, 339, 356, 377, 402, ? A. 448 B. 437 C. 431 D. 453 E. 501 3.27, 30, 63, 192, 771, ? A. 3012 B. 3642 C. 4019 D. 3858 E. 3551 4.341, 510, 727, 998, 1329, ? A. 1847 B. 1637 C. 1493 D. 2091 E. 1726 5.114, 133, 156, 185, 216, ? A. 229 B. 253 C. 267 D. 305 E. 311







6. The marked price is of an article is Rs. 300 more than its cost price and the discount given is 10%. If the profit is Rs. 150, find the cost price of article.

- A. Rs. 1440
- B. Rs. 1080
- C. Rs. 1500
- D. Rs. 1200
- E. None of these

7. A and B started a business by investing in ratio of 7 : 11. At the end of 6 months C also joined the business with twice the investment of A. If the profit at the end of year is Rs. 9600, find the profit share of B.

- A. Rs. 4224
- B. Rs. 3980
- C. Rs. 4572
- D. Rs. 3668
- E. None of these

8. Two pipes, A and B can fill a tank in 16 hours and 20 hours respectively. Pipe A is opened for 8 hours when the one fourth of the tank is already filled. In how much time pipe B will fill the remaining tank?

- A. 2 hours
- B. 7 hours
- C. 4.5 hours
- D. 3.5 hours
- E. 5 hours

9. The ratio of milk to water in a mixture is 5 : 1. 12 litre of the mixture is taken out and 20 litre of water is added then the quantity of milk and water in the final mixture become equal. Find the quantity of water in original mixture.

- A. 9 litre
- B. 14 litre
- C. 7 litre
- D. 10 litre
- E. None of these

10.The area of a circle is 616 cm^2 and the radius of circle is equal to the length of a rectangle. If the ratio of length to the breadth of rectangle is 7 : 5, find the area of rectangle.

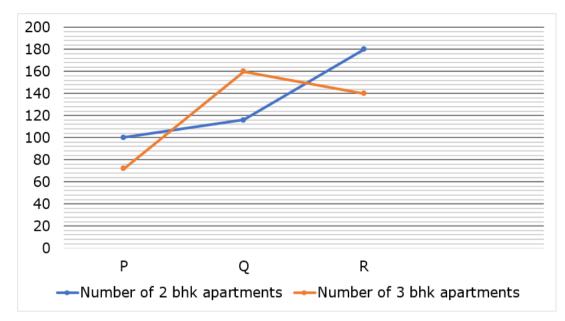
- A. 175 cm²
- B. 140 cm²
- C. 210 cm²
- D. 105 cm²
- E. None of these





Direction (11-15): Study the following information carefully and answer the question:

The line graph given below shows the number of 2 bhk and 3 bhk apartments in three cities, P, Q and R.



11. What is the difference between the average number of 2 bhk apartments and the average number of 3 bhk apartments in three cities?

- A. 14
- B. 5
- C. 11
- D. 8
- E. None of these

12. The number of 3 bhk apartments in city P is how much percent less than the number of 2 bhk apartments in city R?

- A. 60%
- B. $66\frac{2}{3}\%$
- C. $33\frac{1}{3}\%$
- D. 40%
- E. 75%

13.If the ratio of number of 2 bhk apartments in city Q to that in city S is 4 : 5 and the number of 3 bhk apartments in city S is 15% less than the number of 3 bhk apartments in city R, what is the total number of 2 bhk and 3 bhk apartments in city S?



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- A. 227
- B. 264
- C. 259
- D. 240
- E. 288

14.What is the ratio between the total number of 2 bhk apartments in city P and Q to the total number of 3 bhk apartments in same two cities?

- A. 6 : 7
- B.9:14
- C. 23 : 33
- D. 17:25
- E. 27 : 29

15.If the ratio of sold to unsold 2 bhk apartments in city R is 11 : 4 and the number of 3 bhk apartments sold in city R is 75% more than the total number of 3 bhk apartments in city P. How many apartments in city R are unsold?

- A. 62
- B. 56
- C. 78
- D. 40
- E. None of these

Direction (16-20): What should come in place of the question mark '?' or x in the following questions?

16. 30% of 1475 ÷ 5 = ? - 325
A. 413.5
B. 401.5
C. 368.5
D. 434.5
E. 397.5
17. (339 + 2912 - 1568) ÷ 17 = ?
A. 87
B. 106
C. 99
D. 52
E. 124





18. $\frac{2}{5}$ of $\frac{4}{9}$ of 25% of 1260 = ? A. 68 B. 75 C. 56 D. 44 E. 32 19. $?^2 \div (288 \times 9 \div 16) = 8$ A. 22 B. 36 C. 19 D. 28 E. 42 20. 5510 × 0.7 ÷ 19 – 59 = $?^2$ A. 17 B. 12 C. 10 D. 22 E. 18

Direction (21-25): Study the following information carefully and answer the following questions.

Ten people are sitting in two parallel rows. P, Q, R, S and T are sitting in row - 1 and facing south and A, B, C, D, E are sitting in row - 2 and facing north such that the people sitting in row - 1 are sitting opposite to the people sitting in row - 2. All the information is not necessarily in the same order.

R sits at the middle of the row. A sits to the immediate right of the one who faces R. E sits adjacent to A. Two people sit between P and the one who faces B. B does not sit at the extreme end of the row. Q sits second to the right of the one who faces D. S does not face A.

21. Who sits opposite to the one who sits third to the right of T?

- A. D
- В. С
- С. В
- D. A
- E. None of these





- 22. How many people sit to the left of S?
- A. Three
- B. One
- C. None
- D. Two
- E. Four

23. Who sits to the immediate right of B?

- A. D
- В. А
- C. E
- D. C
- E. No one

24.Find the odd one.

- A. Q
- B. C
- C. R
- D. E
- E. P

25.Who sits second to the right of the one who sits opposite to Q?

- A. E
- В. А
- C. D

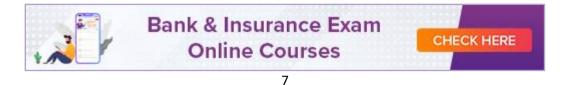
D. B

E. None of these

Direction (26-30): Study the following information carefully and answer the given questions.

There are eight people i.e., A, B, C, D, E, F, G, and H living in a four-storey building such as ground floor is numbered as 1, above it is floor 2 then top floor is numbered as 4. Each of the floor has 2 flats in it as flat- P and flat- Q. Flat- P is to the west of flat- Q. Flat- P of floor 2 is immediate above flat- P of floor 1 and immediate below flat- P of floor 3 and so on. All the information is not necessarily in the same order.

Note: If Y lives in flat- Q and it is given that X lives above Y then it means that X either lives in flat- P or flat- Q above Y. It is not necessary that X and Y live in the same flat.





H lives in flat B of an even numbered floor. C lives just below H but not in a same flat. Only one floor is between C and E. E and A live in a same flat. A lives on an odd numbered floor. B and D live in a same floor. Only one floor is between D and F but both live in a different flat. G does not live above F.

26. Who lives just above E on the same flat?

- A. C
- B. D
- С. В
- D. A
- E. None of these
- 27. Who lives with D on the same floor?
- A. A
- В. С
- С. В
- D. G
- E. None of these
- 28. Who lives on floor numbered as 4?
- A. G
- B. F
- C. C
- D. B
- E. D

29.Find the odd one.

- A. F
- В. С
- C. G
- D. B
- E. D

30.Who lives below B?

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





Direction (31-35): Read the following information carefully to answer the questions based on it.

Eight people A, B, C, D, E, F, G and H were born in eight different months i.e., January, February, April, June, July, August, November and December but not necessarily in the same order. G was born in a month having 31 days after July. Two people were born between G and A. Three people were born between H and A. B was born after H in the month having 31 days. Two people were born between B and E. Two people were born between F and C. One person was born between F and D. D was born before C.

31. Four of the following five are alike in a certain way and hence form a group. Which amongst the following does not belong to that group?

- Α. Η
- В. А
- С. В
- D. E
- E. G
- 32.D was born on which month?
- A. February
- B. June
- C. December
- D. April
- E. None of these
- 33. Who was born in July?
- A. E
- В. А
- C. F
- D. D
- E. None of these
- 34. How many people were born between D and C?
- A. Three
- B. One
- C. None
- D. More than three
- E. Two



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35. How many people were born after C?

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

Direction (36-37): Read the following information carefully and answer the questions which follow.

Seven friends A, B, C, D, E, F, and G are standing on the ground. A is 8m to the east of G. D is 10m to the west of A. E is 15m to the north of D. F is 6m to the west of E . C is 12m to the east of E. B is 7m to the north of G.

36. If Point X is 8m south of Point C then what is the distance between Point C and Point X?

- A. 14m
- B. 10m
- C. 8m
- D. 12m
- E. None of these

37.What is the direction of Point C with respect to Point G?

- A. North
- B. West
- C. Southeast
- D. Northeast
- E. None of these

Direction (38-40): In the question below are given three statements followed by the 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.

38. Statements:

All Crafts are Ideas. No Ideas are Innovations.

Only a few Innovations are Creativities.

Conclusions:

- I. Some Crafts are not Creativities
- II. Some Innovations can be Crafts
- A. Only I follows





- B. Only II follows
- C. Either I or II follows
- D. Both I and II follows
- E. Neither I nor II follows

39. Statements:

Only a few Amazon is Flipkart. No Flipkart is Snapdeal. All Snapdeal is Myntra.

Conclusions:

- I. Some Amazon is not Flipkart
- II. No Myntra is Amazon
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Both I and II follows
- E. Neither I nor II follows

40. Statements:

All Coffee is Tea. No Coffee is Caffeine. Only a few Caffeine is Juice.

Conclusions:

- I. Some Tea is not Caffeine
- II. Some Juice is not Coffee
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Both I and II follows
- E. Neither I nor II follows

Direction (41-44): 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 from the given five options.

- 41. I ______ scolded my daughter for misbehaving with Amit.
- A. Must had
- B. Should have
- C. Should had
- D. Shall had
- E. Would be







42. The painter's use of vibrant colors created a sense of ______ in the artwork.

- A. monotony
- B. excitement
- C. despair
- D. dullness
- E. predictability

43.The author's eloquent words evoked a strong ______ among the readers.

- A. apathy
- B. indifference
- C. emotion
- D. ignorance
- E. silence

44.The teacher's clear explanations helped students grasp the concepts.

- A. complex
- B. trivial
- C. outdated
- D. irrelevant
- E. superfluous

Direction (45-47): Out of the statements given below, find the statement that is correct. If all the statements are correct, choose E, i.e. 'All are correct' and if no statement is correct then choose 'None correct'.

45.

A. Some economist think that full employment in Europe is an unattainable goal.

B. The team have several talented young players waiting in the wings.

C. It will take more targeted initiatives to bring the poverty level down dramatically.

D. I asked the guard the time on the train's departure.

E. All correct

46.

A. They claim it is a symptom of a deeper and more general malaise in society.

B. The fridge keeps food at a constant temperature.

C. She stood on the shore and let the water wash over her tired feet.





D. It's a shame that such a beautiful area has been defiled by a rubbish dump.

E. All correct

47.

A. Engineers are endeavouring to locate the source of an problem.

- B. These are the running shoes favoured by marathon runners.
- C. The labour force is expect to grow by two percent next year.
- D. After stopping for a quick drink, they continue on their way.
- E. None correct

Direction (48-50): In the given question, five words are printed in bold and are numbered A, B, C, D and E. The positions of some highlighted words may be incorrect and need to be exchanged with another highlighted to make the sentence correct. Find the words that need to be exchanged.

48. Amit would (A) take (B) years to spend (C) revenge (D) from his enemy.(E)

- A. A-E
- B. B-C and D-E
- C. B-C
- D. A-C and B-E
- E. No exchange required

49. Kevin **sought** (A) a decree of **custody** (B) from his wife and full **divorce** (C) of their son after she was **caught** (D) **cheating** (E) on him.

- A. A-E
- B. B-C and D-E
- C. B-D
- D. A-C and B-E
- E. No exchange required

50. As **chairperson**, (A) you will **meetings** (B) regular **schedule**(C) with each **updates** (D) head to discuss issues and **committee**.(E)

- A. A-E
- B. B-C and D-E
- C. B-D
- D. A-C and B-E
- E. No exchange required



Direction (51-55): Given below are five statements A, B, C, D and E which when arranged in the correct order, form a coherent and meaningful paragraph. Rearrange the statements in a proper sequence to form a meaningful paragraph and then answer the questions that follow.

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A. Firstly, the rapid pace of modern life demanded quick and convenient meal options, and fast food outlets provided an efficient solution.

B. Additionally, the aggressive marketing strategies employed by fast food chains played a significant role in making fast food an attractive choice for families.

C. During the 1990s, a noticeable shift in eating habits emerged as people began to embrace fast food dining in restaurants.

D. This trend gained momentum due to a convergence of factors.

E. As work hours increased and families found themselves juggling multiple responsibilities, the time-saving nature of fast food became appealing.

51. Which of the following would be the second sentence after rearrangement?

A. A

В. В

- C. C
- D. D
- E. E

52. Which of the following would be the fifth sentence after rearrangement?

- A. A
- В. В
- C. C
- D. D
- E. E

53. Which of the following would be the first sentence after rearrangement?

- A. A
- В. В
- C. C
- D. D
- E. E

54. Which of the following would be the third sentence after rearrangement?

- A. A
- В. В
- C. C
- D. D
- E. E





55. Which of the following would be the fourth sentence after rearrangement?

- A. A
- В. В
- C. C
- D. D
- E. E

Direction (56-57): Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

56. The conference room, (1)/ where important meetings (2)/ usually take place, is equipped (3)/ by modern technology. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

57. There is very (1)/ few sugar left in (2)/ the bowl, so we (3)/ need to buy more. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

Direction (58-60): In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D), and (E). Rearrange all the segments to form a coherent statement.

58.

- A). how she made peanut brittle
- B). pie, but I did find out
- C). I haven't been
- D). grandmother's recipe for pecan
- E). able to unearth my
- A. BCADE
- B. ADCEB



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- C. CEDBA
- D. EDCAB
- E. BEADC

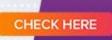
59.

- A). quiet because they were in public
- B). wanted to conduct
- C). the young child
- D). himself as loudly as possible, but
- E). his mother kept him
- A. DBECA
- B. ECADB
- C. ADCEB
- D. CBDEA
- E. BACED

60.

- A). patient's skin, so he
- B). feel the bumps on his
- C). make it smooth again
- D). the dermatologist could
- E). provided medication to
- A. ACDEB
- B. DECAB
- C. CADEB
- D. EADCB
- E. DBAEC







###ANSWERS###

1. Ans. A. The pattern of the series is: $30 \times 2 = 60$ $60 \div 3 = 20$ $20 \times 4 = 80$ $80 \div 5 = 16$ $16 \times 6 = 96$ Hence the missing number is 96.

2. Ans. C.
The pattern of the series is:
326 + 13 = 339
339 + 17 = 356
356 + 21 = 377
377 + 25 = 402
402 + 29 = 431
Hence the missing number is 431.

3. Ans. D. The pattern of the series is: $27 \times 1 + 3 = 30$ $30 \times 2 + 3 = 63$ $63 \times 3 + 3 = 192$ $192 \times 4 + 3 = 771$ $771 \times 5 + 3 = 3858$ Hence the missing number is 3858.

4. Ans. E. The pattern of the series is: $7^{3} - 2 = 341$ $8^{3} - 2 = 510$ $9^{3} - 2 = 727$ $10^{3} - 2 = 998$ $11^{3} - 2 = 1329$ $12^{3} - 2 = 1726$ Hence the missing number is 1726.





5. Ans. B. The pattern of the series is: 114 + 19 = 133 133 + 23 = 156 156 + 29 = 185 185 + 31 = 216 216 + 37 = 253 Hence the missing number is 253.

6. Ans. D.
Discount = 300 - 150 = Rs. 150
10% of marked price = 150
So, marked price = 150 × 10 = Rs. 1500
CP = 1500 - 300 = Rs. 1200

7. Ans. A. Ratio of profit shares of A, B and C = (7×12) : (11×12) : $\{(7 \times 2) \times 6\}$ = 7 : 11 : 7 Profit share of B = $\frac{11}{7+11+7} \times 9600$ = Rs. 4224 8. Ans. E. Let the capacity of tank be 80 units. Efficiency of A = $\frac{80}{16}$ = 5 units/hour Efficiency of B = $\frac{80}{20}$ = 4 units/hour Number of units to be filled = 75% of 80 = 60 Number of units filled by A = 5 × 8 = 40 units Required time = $\frac{60-40}{4}$ = 5 hours

9. Ans. C. Let the initial quantity of milk and water be 5x litre and x litre respectively.

$$5x - \frac{5}{6} \times 12 = x - \frac{1}{6} \times 12 + 20$$

$$\Rightarrow 5x - 10 = x - 2 + 20$$

$$\Rightarrow 5x - 10 = x + 18$$

$$\Rightarrow 4x = 28$$

$$\Rightarrow x = 7$$



18

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10. Ans. B. $\frac{22}{7} \times r^{2} = 616$ $\Rightarrow r^{2} = 196$ $\Rightarrow r = 14$ Length of rectangle = 14 cm Breadth of rectangle = $\frac{14}{7} \times 5 = 10$ cm Area of rectangle = 14 × 10 = 140 cm²

11. Ans. D. Required average = $\frac{100 + 116 + 180}{3} - \frac{72 + 160 + 140}{3}$ = 132 - 124 = 8

12. Ans. A. Required percentage = $\frac{180 - 72}{180} \times 100 = 60\%$

13. Ans. B. Number of 2 bhk apartments in city $S = \frac{116}{4} \times 5 = 145$

Number of 3 bhk apartments in city S = 140 - 15% of 140 = 140 - 21 = 119Total number of 2 bhk and 3 bhk apartments in city S = 145 + 119 = 264

14. Ans. E. Required ratio = 100 + 116 : 72 + 160 = 216 : 232 = 27 : 29

15. Ans. A. Number of unsold 2bhk apartments in city R = $\frac{4}{15} \times 180$ = 48 Number of sold 3bhk apartments in city R = 72 + 75% of 72 = 72 + 54 = 126

Number of unsold 3bhk apartments in city R = 140 - 126 = 14

Number of unsold apartments in city R = 48 + 14 = 62

```
16. Ans. A.

30% of 1475 ÷ 5 = ? - 325

\Rightarrow \frac{30}{100} \times \frac{1475}{5} = ? - 325

\Rightarrow 88.5 = ? - 325

\Rightarrow ? = 88.5 + 325 = 413.5
```





17. Ans. C. ? = (339 + 2912 - 1568) ÷ 17 = (3251 - 1568) ÷ 17 = 1683 ÷ 17 = 99 18. Ans. C. ? = ² of ⁴/₋ of 25% of 1260

$$P = \frac{2}{5} \text{ of } \frac{1}{9} \text{ of } 25\% \text{ of } 12$$
$$= \frac{2}{5} \times \frac{4}{9} \times \frac{1}{4} 1260$$
$$= 56$$

```
19. Ans. B.

?<sup>2</sup> ÷ (288 × 9 ÷ 16) = 8

\Rightarrow ?<sup>2</sup> ÷ \left(\frac{288 \times 9}{16}\right) = 8

\Rightarrow ?<sup>2</sup> ÷ 162 = 8

\Rightarrow ?<sup>2</sup> = 1296

\Rightarrow ?<sup>2</sup> = 36<sup>2</sup>

\Rightarrow ? = 36
```

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20. Ans. B.

5510 \times 0.7 \div 19 - 59 = ?^2

\Rightarrow 551 \times 7 \div 19 - 59 = ?^2

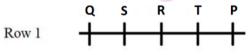
\Rightarrow 29 \times 7 - 59 = ?^2

\Rightarrow 203 - 59 = ?^2

\Rightarrow 144 = ?^2

\Rightarrow ? = 12
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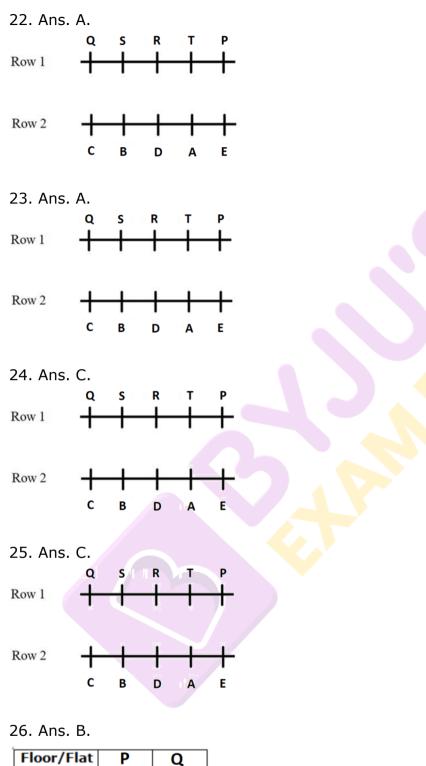
21. Ans. B.



Row 2 C B D A E







Floor/Flat	Р	Q
4	F	н
3	С	А
2	В	D
1	G	E



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27. Ans. C.

Floor/Flat	Р	Q
4	F	н
3	С	Α
2	В	D
1	G	E

28. Ans. B.

Floor/Flat	Р	Q
4	F	н
3	С	A
2	В	D
1	G	E

29. Ans. E.

Floor/Flat	Р	Q
4	F	н
3	С	Α
2	В	D
1	G	E

30. Ans. A.

Floor/Flat	Р	Q	
4	F	н	
3	С	A	
2	В	D	
1	G	E	

31. Ans. D.

Month	People
January	Н
February	D
April	E
June	F
July	А
August	в
November	С
December	G







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32. Ans. A.

Month	People
January	Н
February	D
April	E
June	F
July	А
August	В
November	С
December	G

33. Ans. B.

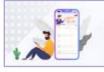
Month	People
January	Н
February	D
April	E
June	F
July	А
August	В
November	С
December	G

34. Ans. D.

Month	People
January	Н
February	D
April	E
June	F
July	А
August	В
November	С
December	G

35. Ans. A.

Month	People
January	Н
February	D
April	Е
June	F
July	А
August	В
November	С
December	G



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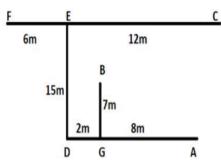




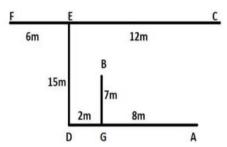
B BYJU'S



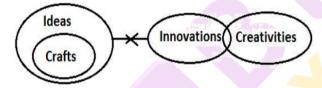




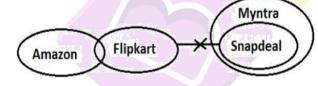
37. Ans. D.



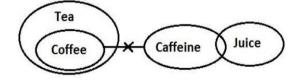
38. Ans. E.



39. Ans. A.



40. Ans. D.



41. Ans. B. The correct answer is B.





42. Ans. B.

"Excitement" is the correct answer as it matches the effect of vibrant colors. Other options are incorrect:

A) "Monotony" and D) "dullness" are opposite to the intended effect.

C) "Despair" is not related to vibrant colors.

E) "Predictability" is not relevant to the context of the artwork.

43. Ans. C.

"Emotion" is the correct answer as it matches the effect of the author's eloquent words. Other options are incorrect:

A) "Apathy" and B) "indifference" are opposite to the intended effect.

D) "Ignorance" is not related to the readers' reaction.

E) "Silence" is not a reaction to the author's words.

44. Ans. A.

"Complex" is the correct answer as it matches the context of the teacher's explanations. Other options are incorrect:

B) "Trivial," C) "outdated," D) "irrelevant," and E) "superfluous" don't match the idea of helping students grasp concepts.

45. Ans. C.

A: Some 'economists' B: team 'has'

D: time 'of' not 'on

46. Ans. E. All the given sentences are correct.

47. Ans. B.

A: replace 'an' with 'the'

C: 'expected' in place of 'expect'

D: replace `continue' with `continued'

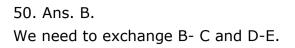
48. Ans. C. We need to exchange B and C.

49. Ans. C. We need to exchange B and C.





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51. Ans. D. The correct order is CDAEB

52. Ans. B. The correct order is CDAEB

53. Ans. C. The correct order is CDAEB

54. Ans. A. The correct order is CDAEB

55. Ans. E. The correct order is CDAEB

56. Ans. D. Replace "by" with "with."The correct preposition to use with "equipped" is "with," so it should be "equipped with modern technology."

57. Ans. B.

"Few" is used with countable nouns, while "little" is used with uncountable nouns. In this case, "sugar" is an uncountable noun, so it should be "little sugar left" instead of "few sugar left."

58. Ans. C. The correct order is CEDBA.

59. Ans. D. The correct order is CBDEA.

60. Ans. E. The correct order is DBAEC.







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