

ENGLISH COMPREHENSION

1. Select the antonym of **stratagem**.

- (1) frankness (2) ruse
(3) gimmick (4) ploy

2. In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one, which best expresses the same sentence in Indirect/Direct speech.

The tutor said, "The sun rises in the East".

- (1) The tutor says the sun rises in the East.
(2) The tutor said that the sun rose in the East.
(3) The tutor said that the sun has been rising in the East.
(4) The tutor said that the sun rises in the East.

3. Select the synonym of **to admonish**.

- (1) to reprimand
(2) to rave
(3) to panegyriize
(4) to eulogise

4. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No error'.

I don't think I shall (1)/ get through all (2)/ this work this afternoon. (3)/ No error (4)

5. Select the antonym of **divulgence**.

- (1) testimony
(2) repudiation
(3) assent
(4) revelation

6. Select the synonym of **blabber**.

- (1) wary (2) nonsense
(3) sophic (4) sapient

7. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

to hit the sack

- (1) to prepare for sleep
(2) to die
(3) to take one's anger out
(4) to hit where it hurts the most

8. Rearrange the parts of the sentence in correct order.

The current Indian

- P. establishment's priorities
Q. independence of writers
R. do not include the

- (1) RPQ (2) QRP
(3) PRQ (4) QPR

9. Select the word with the correct spelling.

- (1) imminent (2) mouerning
(3) laticed (4) neoplasm

10. Improve the bracketed part of the sentence.

Your character depends on **(your upbringing)**.

- (1) how you were brought.
(2) your up bringing
(3) your way of upbringing.
(4) No Improvement

11. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Hocus pocus

- (1) walking in a zig-zag manner, especially under the influence of alcohol
(2) meaningless talk or activity, typically designed to trick someone

(3) rich people but who are shallow and greedy

(4) doing a job haphazardly

12. Select the word with the correct spelling.

- (1) asyrian (2) apustate
(3) marzipan (4) cucamber

Directions (13-17) : In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank (**numbered**) out of the four alternatives.

(13) democracies, citizens have command (14) who they want to be represented by as well as the competence to define issues worthy of representation. Outside the domain of often (15) party politics lies an entire terrain of collective action (16) which citizens press their collective will upon those (17) rule.

13. (1) In (2) Into
(3) Inside (4) Inner

14. (1) on (2) about
(3) over (4) with

15. (1) smelly (2) obnoxious
(3) odourful (4) rancid

16. (1) through (2) to
(3) into (4) for

17. (1) whom (2) which
(3) whosoever (4) who

18. Improve the bracketed part of the sentence.

My daughter **(is loving)** Glucose biscuits.

- (1) has been loving
(2) loves to
(3) loves
(4) No Improvement

19. In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one, which best expresses the same sentence in Passive/Active voice.

Anita will arrange the dresses.

- (1) The dresses would be arranged by Anita.
- (2) The dresses would have been arranged by Anita.
- (3) The dresses would have had been arranged by Anita.
- (4) The dresses will be arranged by Anita.

Directions (20-21) : In the following questions, the sentence given with blank is to be filled in with an appropriate word. Select the correct alternative out of the four.

20. Each day, the price of gold will _____ on the market.
- (1) fluctuate (2) wave
 - (3) flutter (4) vibrate
21. A _____ education needs to include reading, writing, math, and a variety of other subjects.
- (1) organic (2) fundamental
 - (3) primitive (4) radical

Directions (22-23) : In the following questions, out of the four alternatives, select the alternative which is the best substitute of the phrase.

22. Respect and admiration.

- (1) peccant (2) culpable
- (3) vicious (4) esteem

23. Involving many carefully arranged parts or details; detailed and complicated in design and planning.

- (1) labyrinthine
- (2) facile
- (3) elaborate
- (4) prodigious

24. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select 'No Error'.

He has seen (1)/ some bad days (2)/ but now he is well of. (3)/ No error (4)

25. Rearrange the parts of the sentence in correct order.

What makes this "victory"

- P. even more surprising was
Q. the complete asymmetry of
R. the two sides involved

- (1) QRP (2) RPQ
- (3) PRQ (4) PQR

GENERAL INTELLIGENCE

26. In the following question, select the related word pair from the given alternatives :
Turtle : Reptile :: ? : ?

- (1) Snake : Amphibian
- (2) Frog : Bird
- (3) Crow : Fly
- (4) Elephant : Mammal

27. In the following question, select the related number pair from the given alternatives :
16 : 48 :: ? : ?

- (1) 25 : 75 (2) 11 : 32
- (3) 25 : 64 (4) 49 : 72

28. In the following question, select the related letter/letters from the given alternatives :
APR : BQS :: ETV : ?

- (1) FVX (2) FUW
- (3) GUX (4) GVW

29. In the following question, select the odd word pair from the given alternatives :

- (1) Pen - Ink
- (2) Pen - Writer
- (3) Book - Pages
- (4) Word - Letter

30. In the following question, four number pairs are given. The number on left side of (-) is related to the number on the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives :

- (1) 7 - 14 (2) 11 - 22
- (3) 5 - 10 (4) 3 - 8

31. In the following question, select the odd letter/letters from the given alternatives :

- (1) KRY (2) DKR
- (3) FMT (4) LVZ

32. From the given alternatives, according to dictionary, which word will come at SECOND position?

1. Conservative
2. Cooker
3. Conflict
4. Congratulate
5. Cool

- (1) Conservative
- (2) Congratulate
- (3) Cooker
- (4) Conflict

33. In the following question, select the missing number from the given alternatives :

- 14, 19, 26, 37, 50, 67, ?
- (1) 83 (2) 77
 - (3) 86 (4) 93

34. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series :
K, O, S, W, ?

- (1) A (2) Z
- (3) Y (4) D

35. From a hospital J, Pritam walked 49 metres to the south, then after turning to right he walked 49 metres. He again turned right and walked another 34 metres and finally turned to right and walked 49 metres. At what distance (in metres) and in which direction is he from the hospital J now?

- (1) 15, North
- (2) $22\sqrt{3}$, North
- (3) 15, South
- (4) $22\sqrt{3}$, South

36. From the given alternatives, select the word which CANNOT be formed using the letters of the given word.

GRAMOPHONE

- (1) GAME (2) NORM
- (3) RAM (4) MOVE

37. In a certain code language, "sun is hot" is written as "fi lat muk", "milk is sour" is written as "muk ti mu" and "milk makes sour" is written as "ti mu fa".

What is the code for "is" in that code language?

- (1) ti (2) fa
- (3) muk (4) mu

38. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series :
PCO, QDP, REQ, ?, TGS

- (1) TGS (2) SGR
 (3) SFR (4) TFS

39. In the following question, select the missing number from the given alternatives :

133, 136, 139, 142, ?, 148

- (1) 146 (2) 145
 (3) 144 (4) 147

40. In the following question, four groups of three numbers are given. In each group the second and third numbers are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives :

- (1) (57, 61, 65)
 (2) (92, 96, 100)
 (3) (63, 67, 71)
 (4) (64, 68, 70)

41. In a certain code language, '-' represents '+', '+' represents 'x', 'x' represents '÷' and '÷' represents '-'. Find out the answer to the following question :

$$20 + 6 \times 5 \div 20 - 14 = ?$$

- (1) 45 (2) 26
 (3) 18 (4) 12

42. The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$19 - 16 + 5 \div 10 \times 2 = 28$$

- (1) \times and $-$ (2) \div and $-$
 (3) \div and \times (4) $-$ and $+$

43. If $1 \& 7 = 80$, $4 \& 5 = 90$ and $6 \& 8 = 140$, then find the value of $5 \& 5 = ?$

- (1) 40 (2) 100
 (3) 20 (4) 90

44. Which of the following terms follows the trend of the given list?

XYXYXYXY, XYXYXYXY,
 XYXYXYXY, XYXYXYXY,
 XYXYXYXY, _____

- (1) XYXYXYXY
 (2) XYXYXYXY
 (3) XYXYXYXY
 (4) XYXYXYXY

45. Two cruisers start from the same port. Cruiser A sails 50 miles South, then it turns right and sails 60 miles. In the meanwhile cruiser B sails 105 miles West, then it turns left and sails 50 miles, then it turns West and sails 45 miles. Where is cruiser A with respect to cruiser B?

- (1) 210 miles East
 (2) 90 miles East
 (3) 90 miles West
 (4) 210 miles West

46. In this question two statements are given, followed by two Conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given Conclusions, if any, follows from the given statements.

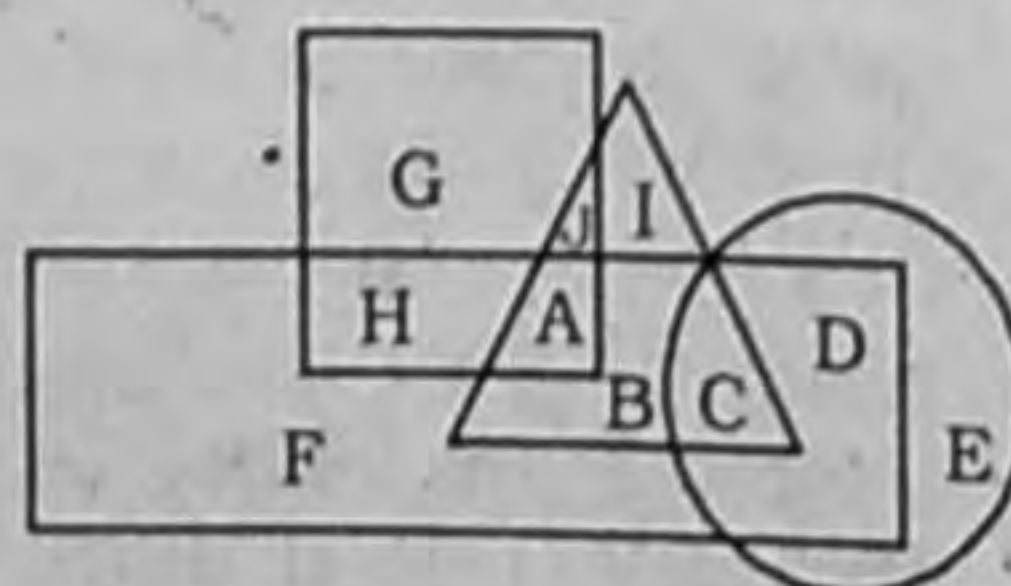
Statements :

- I. All doors are windows.
 II. No opening is window.

Conclusions :

- I. All windows are openings.
 II. No opening is door.
 (1) Only Conclusion I follows
 (2) Only Conclusion II follows
 (3) Both Conclusions I and II follow
 (4) Neither Conclusion I nor Conclusion II follows

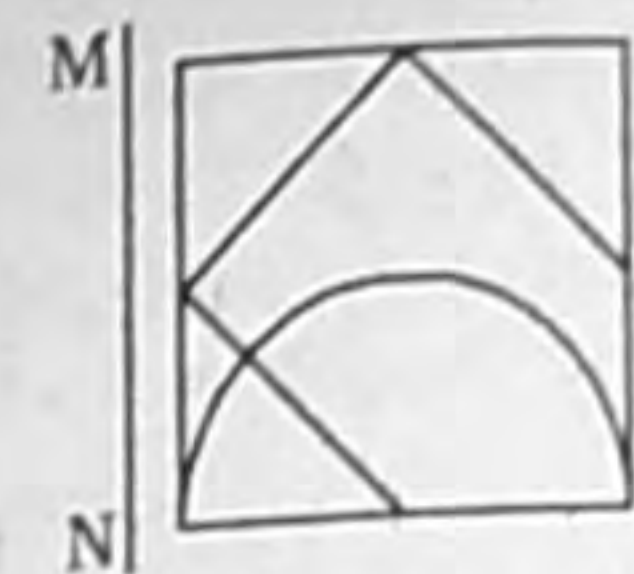
47. In the following figure, rectangle represents Reporters, circle represents Dancers, triangle represents Playwrights and square represents Boxers. Which set of letters represents Boxers who are Playwrights?



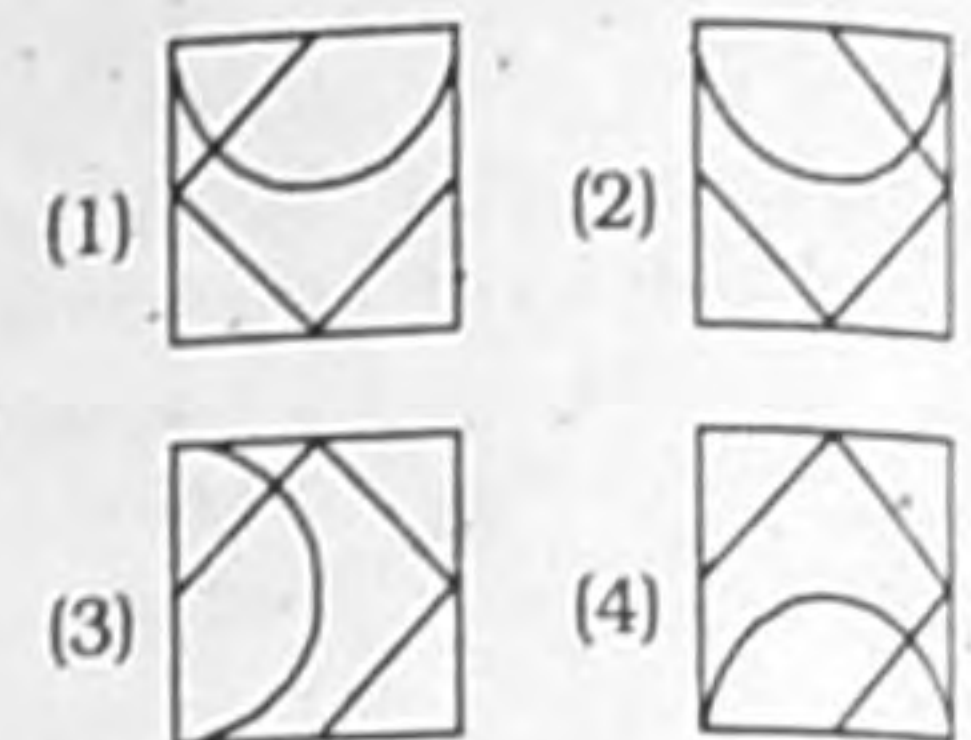
- (1) GH (2) JA
 (3) IB (4) BC

48. If a mirror is placed on the line MN, then which of the answer figure is the right image of the given figure?

Question Figure :

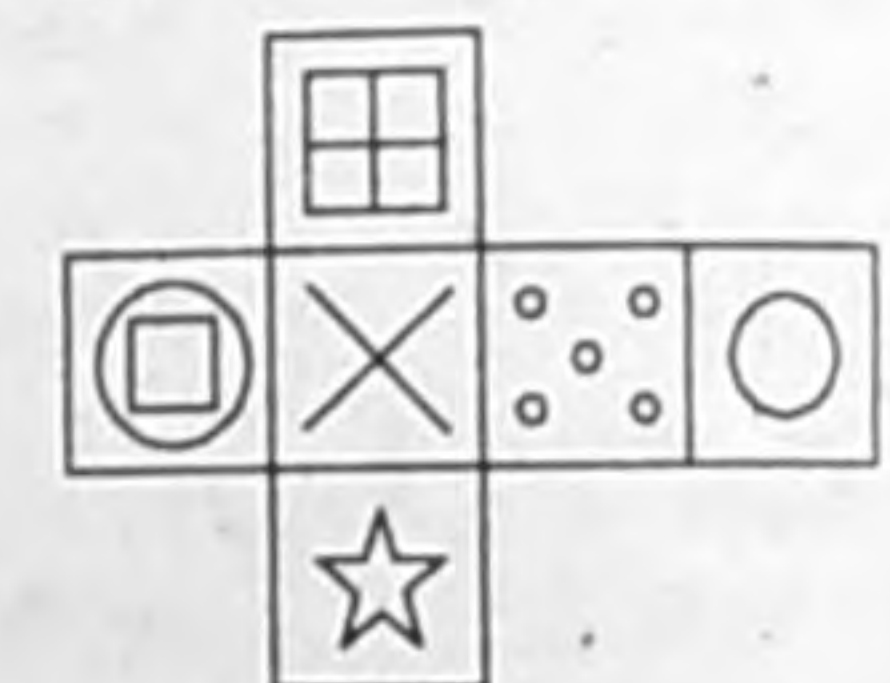


Answer Figures :

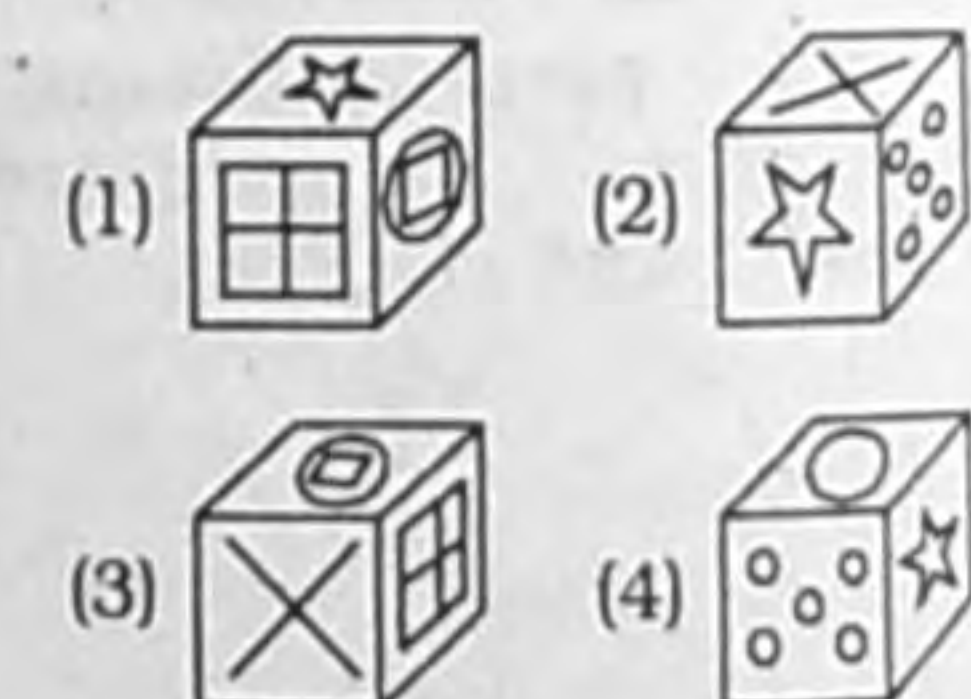


49. Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?

Question Figure :



Answer Figures :



50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabet as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'D' can be represented by 30, 42 etc and 'T' can be represented by 67, 78 etc. Similarly, you have to identify the set for the word 'HIND'.

Matrix-I

	0	1	2	3	4
0	G	L	H	D	I
1	D	D	A	F	J
2	F	F	D	K	F
3	D	B	A	J	I
4	F	E	D	F	H

Matrix-II

	5	6	7	8	9
5	Y	W	U	X	U
6	Q	S	T	N	Q
7	N	T	P	T	Q
8	Z	V	Y	X	Y
9	Q	Z	P	W	X

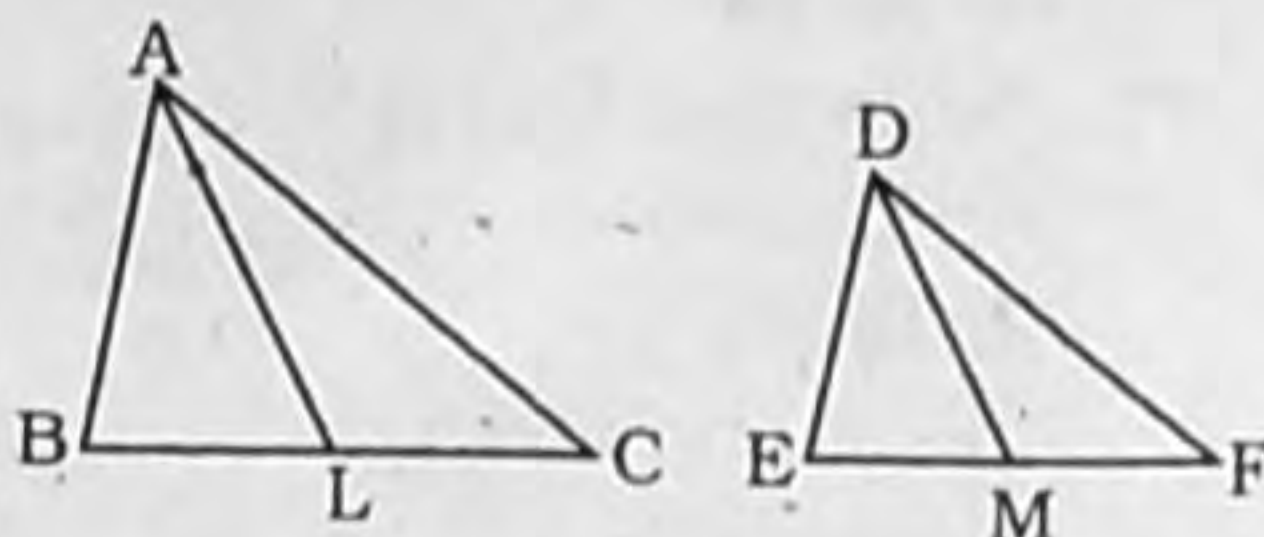
- (1) 44, 34, 68, 10
- (2) 11, 89, 13, 77
- (3) 20, 88, 11, 86
- (4) 42, 67, 12, 89

QUANTITATIVE APTITUDE

51. The difference between 66% of a number and 44% of the same number is 275. What is 64% of that number?
 (1) 800 (2) 840
 (3) 760 (4) 600
52. Calculate the value of $\left(\frac{1}{5^4} - 1 \right) \left(5^4 + 5^2 + 5^4 + 1 \right)$
 (1) 5 (2) 4
 (3) 10 (4) 25
53. Find 'x' if $\sqrt{2+7x} = \sqrt{3x+4}$.
 (1) 0.5 (2) 1
 (3) 1.5 (4) 2
54. The product of two even consecutive numbers is 168. Find the sum of these numbers.
 (1) 20 (2) 22
 (3) 24 (4) 26
55. A line DE parallel to the side BC intersects the other two sides of triangle at points D and E such that $AD = \frac{1}{6} AB$ and $AE = \frac{1}{6} AC$. If the value of BC is 18 cm, calculate the value of DE (in cm.).

- (1) 2 (2) 3
- (3) 6 (4) 8

56. Consider the two equiangular triangles ABC and DEF having medians as AL and DM respectively as shown in figure below.



- (1) $\frac{BC}{EF} = \frac{DM}{AL}$
- (2) $\frac{BC}{EF} = \frac{AL}{DM}$
- (3) $\frac{EF}{BC} = \frac{AL}{DM}$
- (4) All options are correct

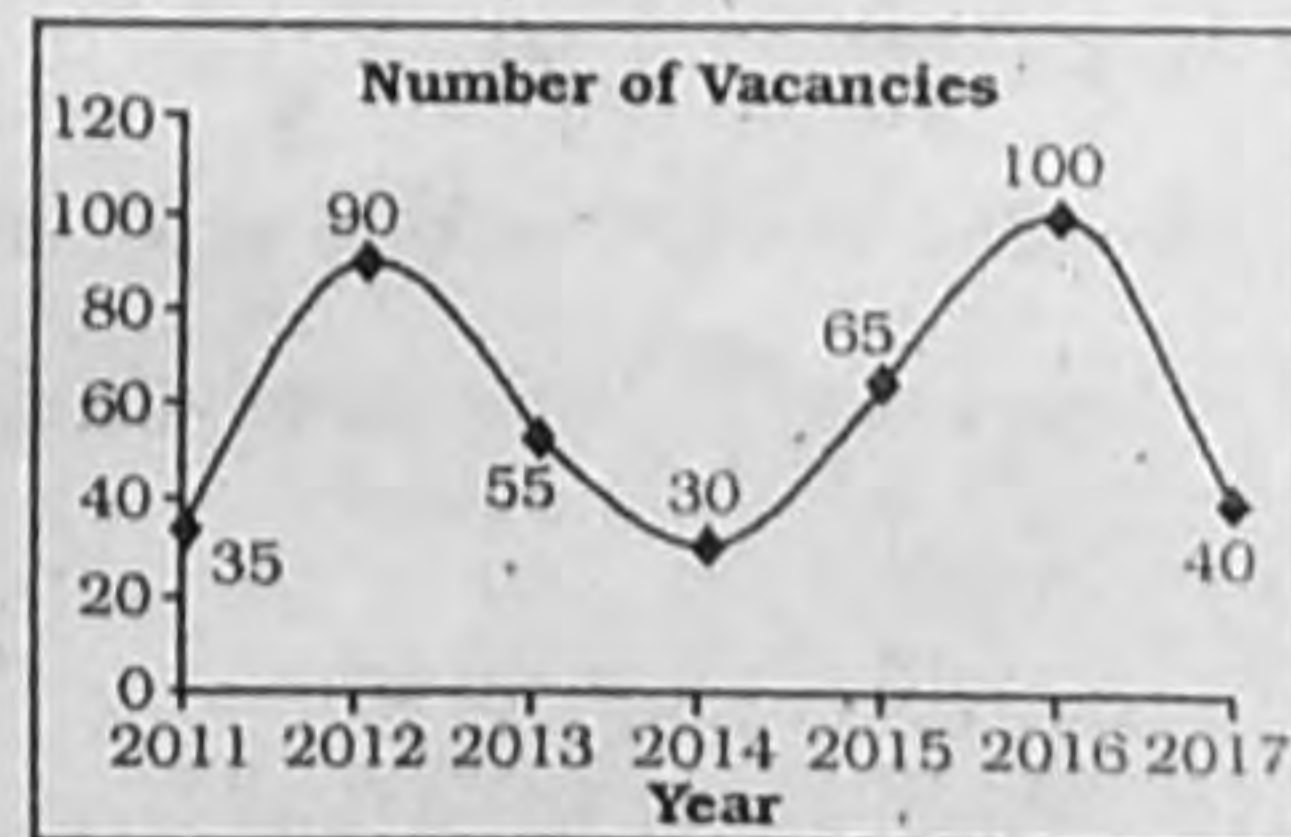
57. The value of a car depreciates at the rate of 15% per annum. If its present value is Rs. 433500, what was the value (in Rs.) of the car 2 years ago?
 (1) 594200 (2) 620000
 (3) 563550 (4) 600000
58. If $A : B : C = 2 : 3 : 5$ and $C : D = 2 : 5$, what is $A : D$?
 (1) 4 : 25 (2) 8 : 21
 (3) 6 : 25 (4) 12 : 35
59. In a mixture of 35 litres, the ratio of water and acid is 6 : 1. If 5 litres of acid is added to the mixture, what will be the ratio of water and acid in the new mixture?
 (1) 5 : 2 (2) 4 : 1
 (3) 3 : 1 (4) 6 : 5
60. The average savings of Champak in 5 days is Rs. 160. If his savings for the first 4 days is Rs. 155, Rs. 170, Rs. 134 and Rs. 168 respectively, then what is his saving (in Rs.) of the 5th day?
 (1) 161 (2) 163
 (3) 169 (4) 173
61. A sum of Rs. 6000 is borrowed at compound interest at the rate of 8% per annum. What will be the amount (in Rs.) after 2 years?

- (1) 6998.4 (2) 6960
- (3) 6784.4 (4) 6869.4

62. The cost price of an article is Rs. 122. If profit percentage is 56%, what is the selling price (in Rs.) of the article?
 (1) 277.27 (2) 217.85
 (3) 175.68 (4) 190.32
63. On selling a watch at $\frac{4}{5}$ th of the marked price there is loss of 4%. What will be the ratio of the marked price and cost price of the watch?
 (1) 6 : 5 (2) 5 : 3
 (3) 10 : 7 (4) 7 : 5
64. What is the positive square root of $[19 + 4\sqrt{21}]$?
 (1) $\sqrt{7} + 2\sqrt{3}$ (2) $\sqrt{3} + 2\sqrt{7}$
 (3) $\sqrt{2} + 3\sqrt{7}$ (4) $\sqrt{7} + 3\sqrt{3}$

65. 18 men or 25 boys can complete a work in 25 days. How many days will 36 men and 10 boys take to complete the work?
 (1) $\frac{112}{17}$ (2) $\frac{125}{12}$
 (3) $\frac{115}{12}$ (4) $\frac{125}{17}$
66. Vipin crosses a 450 metre wide road in 9 seconds. What is his speed (in km/hr.)?
 (1) 195 (2) 150
 (3) 210 (4) 180

Directions (67-70) : The line graph shows the number of vacancies for executives in a certain company. Study the diagram and answer the following questions.



67. In which year was the number of vacancies lesser than that of the previous year?

- (1) 2015 (2) 2014
(3) 2016 (4) 2012

68. What was the difference in the number of vacancies between the years 2016 and 2014?

- (1) 60 (2) 50
(3) 70 (4) 40

69. The number of vacancies in 2014 was lesser than that in 2016 by _____

- (1) 1.167 (2) 0.7
(3) 0.6 (4) 2.333

70. The salary of an executive in the company is Rs. 30,000. what was the increase in the expense (in Rs. lakhs) due to salaries that had to be paid when posts were filled for the vacancies in the year 2017?

- (1) 3 (2) 6
(3) 9 (4) 12

71. If the lengths of the two parallel sides of a trapezium are 8 cm and 10 cm and the distance between these parallel sides is 6 cm., find its area (in cm^2).

- (1) 27 (2) 108
(3) 54 (4) 81

72. If the diameter of a circle is 7 cm, what will be its circumference (in cm.)?

- (1) 44 (2) 22
(3) 26 (4) 52

73. Find the volume (in cm^3) of a cube of side 6.5 cm.

- (1) 56.515 (2) 274.625
(3) 35.605 (4) 14.925

74. $\triangle DEF$ is right angled at E. If $m\angle D = 30^\circ$, find the value of

$$(\cos F + \sqrt{3}).$$

(1) $\frac{7}{2\sqrt{3}}$ (2) $\frac{(1+2\sqrt{3})}{2}$

(3) $\frac{4}{\sqrt{3}}$ (4) $\frac{(\sqrt{3}+4)}{2}$

75. $\triangle DEF$ is right angled at E. If

$$\sin D = \frac{15}{17}, \text{ what is the value of } \cot F ?$$

(1) $\frac{15}{17}$ (2) $\frac{8}{17}$

(3) $\frac{15}{8}$ (4) $\frac{17}{15}$

GENERAL AWARENESS

76. Which movie has won the most number of Oscars?

- (1) Titanic
(2) Cabaret
(3) Jungle Book
(4) Avatar

77. Chittorgarh Fort is in _____

- (1) Rajasthan
(2) Bihar
(3) Uttar Pradesh
(4) Gujarat

78. Which organ is the main digester and absorber of food?

- (1) Stomach
(2) Liver
(3) Colon
(4) Small intestine

79. The bark of willow tree is a source of which medicine?

- (1) Paracetamol
(2) Aspirin
(3) Antacid
(4) Antiseptic

80. Capra Hircus is the scientific name of _____

- (1) Sheep (2) Cow
(3) Horse (4) Goat

81. What does a catalyst do in a reaction?

- (1) A catalyst is nothing but the final product of a reaction
(2) Does not alter the rate of reaction
(3) Speeds up chemical reaction
(4) Slows down chemical reaction

82. Atomic number of which of the following elements is greater than that of Bromine

- (1) Silver (2) Copper
(3) Iron (4) Chromium

83. Commonly used abbreviation GUI in computer science stands for?

- (1) Group User Interface
(2) Graphic User Interface
(3) Graphic User Integration
(4) Group User Integration

84. Tamil is the official language of _____

- (1) Puducherry
(2) Dadra and Nagar Haveli
(3) Daman and Diu
(4) Delhi

85. A tyre tube manufacturer faces a -1.6 price elasticity of demand for its tubes. It is presently selling 24000 units/month. If it wants to increase quantity sold by 4%, it must lower its price by _____

- (1) 2.5 per cent
(2) 5.6 per cent
(3) 2.4 per cent
(4) 6.4 per cent

86. Consider the market for new two-wheelers. If the price of steel increases, then the equilibrium price of new two-wheelers will _____ and the equilibrium quantity will _____

- (1) increase; increase
(2) decrease; decrease
(3) increase; decrease
(4) decrease; increase

87. Which type of pathogen causes the water-borne disease Ascariasis?

- (1) Viral (2) Protozoan
(3) Bacterial (4) Parasitic

88. Which type of pathogen causes the water-borne disease Dysentery?

- (1) Algal (2) Parasitic
(3) Protozoan (4) Bacterial

89. What is the major electricity generation power source in India?

- (1) Coal (2) Gas
(3) Nuclear (4) Hydro

90. A person, who draws or makes maps or charts, is called _____

- (1) Hydrographer
(2) Cartographer
(3) Seismographer
(4) Cartogrammer

91. Brihadeshwara Temple, Thanjavur is in _____

- (1) Tamil Nadu
(2) Assam
(3) Bihar
(4) Himachal Pradesh

92. Salt March also known as Dandi March was initiated by _____.

- (1) Raja Ram Mohan Roy
- (2) Mahatma Gandhi
- (3) Avantikabai Gokhale
- (4) Kasturba Gandhi

93. Chauri Chaura incident took place in?

- (1) 1902 (2) 1912
- (3) 1922 (4) 1932

94. Who invented Telephone?

- (1) Alexander Graham Bell
- (2) Thomas Edison
- (3) Benjamin Franklin
- (4) James Watt

95. Which instrument measures AF signal level and noise?

- (1) Vector scope
- (2) VU meter
- (3) Q meter
- (4) Psophometer

96. If a physical quantity has the units - ampere meters per second squared, then what are it's dimensions?

- (1) $[I LT^{-2}]$ (2) $[ALT^{-2}]$
- (3) $[I MS^{-2}]$ (4) $[AMS^{-2}]$

97. The 42nd Amendment of the Constitution of India was enacted in the year _____.

- (1) 1947 (2) 1977
- (3) 1991 (4) 2016

98. The number of parliamentary seats (Rajya Sabha) of Chhattisgarh is _____.

- (1) 3 (2) 5
- (3) 11 (4) 16

99. Which country's 7 swimmers were banned from the Rio Olympics?

- (1) Russia (2) Japan
- (3) China (4) USA

100. Who is the author of "The Great Indian Novel"?

- (1) Jawaharlal Nehru
- (2) Shashi Tharoor
- (3) Mahatma Gandhi
- (4) Arun Shourie