

iv. Permeability

- A. ii, iii, iv, I B. iii, ii, i, iv
C. iv, ii, i, iii D. iii, i, ii, iv

Ans. D

16. In a certain code language, "iTOAST" is written as "03210" and "RIGID" is written as "45759". How is "DOOR" written in that code language ?

- A. 9331 B. 9334
C. 3390 D. 1314

Ans. B.

17. In the following question, select the missing number from the given series.

3	12	24
4	5	7
5	13	?

- A. 17 B. 18
C. 22 D. 25

Ans. D.

18. If "+" means "minus", "x" means "divided by", "÷" means "Plus" and "-" means "multiplied by" then

$$81 \times 9 + 10 - 6 \div 5 = ?$$

- A. 46 B. -46
C. -47 D. -74

Ans. B.

19. In the following question, which one set of letters when sequently placed at the gaps in the given letter series shall complete it ?

a _ c _ e _ b _ de

- A. acab B. abcd
C. bdac D. Abdc

Ans. C.

20. Amit is facing north. He turns 90° right and walks for 50 m, then towards the south and walks 50 m, then turns right to walk for another 50 m and from there, he walks 50 m towards north. In which direction/position is he from his original position ?

- A. South-west
B. At the original position
C. North-east
D. North-west

Ans. B.

21. 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 alphabets 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, 'N' can be represented by 21, 43 etc. And 'R' can be represented by 66, 58 etc. Similarly, you have to identify the set for the word 'HAIRY'.

Matrix-I
आव्यूह - I

	0	1	2	3	4
0	A	S	E	H	A
1	Q	D	H	L	S
2	W	N	T	K	D
3	H	D	Y	A	F
4	R	G	A	N	G

Matrix-II
आव्यूह - II

	5	6	7	8	9
5	Y	T	I	R	F
6	G	R	P	L	R
7	I	O	U	R	M
8	D	F	R	K	Q
9	S	R	W	D	Y

- A. 03,33,57,77,99
B. 03,33,57,78,96
C. 03,33,57,78,99
D. 03,33,75,79,99

Ans. C.

22. Introducing a boy, a girl says, "He is the son of the sister of my mother's brother." How is the boy related to the girl?

- A. Cousin
B. Brother-in-law
C. Father-in-law
D. Niece

Ans. A.

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



- A. B.
C. D.

Ans. B.

24. Identify the diagram that represents the relationship among the given classes. Politician, Minister, Human

- A. B.
C. D.

Ans. B.

25. A piece of paper is folded and punched as shown below in the question figures. From

the given answer figures, indicate how it will appear when opened.



- A. B. C. D.

Ans. A.

26. Group of Monuments at Hampi is in

- A. Karnataka B. Madhya Pradesh
C. Maharashtra D. Rajasthan

Ans. A.

27. Which movie has not won the National Film Award for Best Feature Film ?

- A. Court
B. Taare Zameen Par
C. Baahubali: The Beginning
D. Ship of Theseus

Ans. B.

28. Bambusa dendrocalmus is the scientific name of.....

- A. Banyan B. Papaya
C. Bamboo D. Pomegranate

Ans. C.

29. Acinoyx jubatus is the scientific name of.....

- A. Bear B. Horse
C. Cheetah D. Zebra

Ans. C.

30. Atomic number of which of the following elements is greater than that of Zinc.

- A. Copper B. Iron
C. Chromium D. Bromine

Ans. D.

31. Commonly used abbreviation SEO in computer science stands for ?

- A. System Engine Optimization
B. Search Engine Optimization
C. Structured Engine Optimization
D. Single Engine Optimization

Ans. B.

32. Chang Lois a folk dance of.....

- A. Arunachal Pradesh B. Punjab
C. Assam D. Nagaland

Ans. D.

33. If one more cobbler is hired the output of a shoe making unit will increase from 50 pairs of shoes to 55 pairs per day, but then the shoe making unit will have to reduce the price of a pair of shoes from from Rs 3200 to Rs per pair to sell Rs 3000 per pair to sell to the additional output, the marginal revenue product of the last cobbler is

- A. Rs 1000 B. Rs 5000
C. Rs 4000 D. Rs 200

Ans. B.

34. The Law of demand is based on the concept that concept that people.....

- A. buy more of a good as their income increases.
B. buy more of a good as the price of the good life.

C. will spend all of their money on something.

D. want more of everything even if they have no money to buy anything.

Ans. B.

35. The ozone layer is mainly found in the lower portion of the.....

- A. stratosphere B. Troposphere
C. mesosphere D. thermosphere

Ans. A.

36. Ranthambore Tiger Reserve is in which state ?

- A. Rajasthan
B. Andhra Pradesh
C. Arunachal Pradesh
D. Uttarakhand

Ans. A.

37. How many Union Territories are there in India?

- A. 6 B. 7
C. 8 D. 9

Ans. B.

38. A hard coal containing little volatile mater is called.....

- A. Loess B. Anthracite
C. Atoll D. Lava

Ans. B.

39. Port of Spain is the capital city of.....

- A. Saudi Arabia
B. North Korea
C. Czech Republic
D. Trinidad and Tobago

Ans. D.

40. Chanakya was the chief advisor of.....

- A. Babur
B. Chandragupta Maurya
C. Akbar

D. Kautilya

Ans. B.

41. Battle of Haldighati in 1576 was fought between Akbar and.....

- A. Sher Shah
- B. Maharana Pratap
- C. Hemu Vikramaditya
- D. Nader Shah

Ans. B.

42. Who invented JavaScript the Programming language?

- A. Brenden Eich
- B. Wilem Einthoven
- C. George Eastman
- D. Emil Erlenmeyer

Ans. A.

43.of a material is defined as the minimum amount of the work necessary to remove a free electron from surface of the material.

- A. The electro-repulsive force
- B. The coulomb factor
- C. The power factor
- D. The work function

Ans. D.

44. Human beings' hearing range is.....

- A. 50 to 50,000 Hz
- B. 40 to 40,000 Hz
- C. 30 to 30,000 Hz
- D. 20 to 20,000 Hz

Ans. D.

45. Which State has the highest Lok Sabha seats in India?

- A. Maharashtra
- B. Madhya Pradesh
- C. Uttar Pradesh
- D. Bihar

Ans. C.

46. The number of parliament seats (Lok Sabha) of Andhra Pradesh is.....

- A. 2
- B. 13
- C. 20
- D. 25

Ans. D.

47. Number of players in Kabaddi team is.....

- A. 3
- B. 7
- C. 5
- D. 9

Ans. B.

48. Who is the author of "India From Midnight to the Millennium"?

- A. Anuj Tiwari
- B. Mitali Meelan
- C. Shashi Tharoor
- D. Jhumpa Lahiri

Ans. C.

49. Decane has how many hydrogen atoms ?

- A. 22
- B. 33
- C. 11
- D. 44

Ans. A.

50. The pale yellow colour of urine is due to the presence of which pigment?

- A. Urochrome
- B. Urophyll
- C. Chlorophyll
- D. Chloroplast

Ans. A.

51. In a class of 60 students there are 30 girls. The average weight of these girls is 58 kg and average weight of the full class is 63 kgs. What is the average weight of the boys of the class ?

- A. 67
- B. 66
- C. 68
- D. 65

Ans. C.

52. Two students appeared for an examination. One of them secured 21 marks more than the other and his marks were 80 % of the sum of their marks. The marks obtained by them are

- A. 88 and 67
- B. 89 and 68
- C. 28 and 7
- D. 98 and 77

Ans. C.

53. Pannalal has done $\frac{1}{3}$ rd of a job in 20 days, Saiprasad completes the rest of the job in 10 days. In how many days can they together do the job?

- A. 12 days
- B. 6 days
- C. 3 days
- D. 24 days

Ans. A.

54. If Girdhar's salary is $\frac{5}{3}$ times of Hariraj's and Shaunak's is $\frac{2}{3}$ times of Hariraj's, what is the ratio of Girdhar's salary to Shaunak's.

- A. 9 : 10
- B. 10 : 9
- C. 5 : 2
- D. 2 : 5

Ans. C.

55. If $\sec^{-1} \frac{1}{2} = x$, then the value of x is

- A. $\sqrt{2}$
- B. $-\sqrt{2}$
- C. $-\sqrt{2}$
- D. -1

Ans. A.

56. What should be the missing digit so that the number 275_476 becomes exactly divisible by 11?

- A. 6
- B. 4
- C. 2
- D. 3

Ans. D.

57. If $\tan\left(\frac{A}{2}\right) = x$, then the value of x is

- A. $(1 - \cos A) / \sin A$
- B. $(1 + \cos A) / \sin A$
- C. $\sqrt{(1 - \cos A) / \sin A}$
- D. $\sqrt{(1 + \cos A) / \sin A}$

Ans. C.

58. If $(\sec A - \tan A)^2 = x$, then the value of x is

- A. $(1 + \sin A)(1 - \sin A)$
- B. $\sqrt{(1 - \sin A)(1 + \sin A)}$
- C. $(1 - \sin A)(1 + \sin A)$
- D. $\sqrt{(1 + \sin A)(1 - \sin A)}$

What was the total Profit or loss of the company in last 5 years ?

- A. Profit of Rs 50 crores
- B. Loss of Rs 60 crores
- C. Loss of Rs 50 crores
- D. Profit of Rs 60 crores

Ans. C.

75. Refer the below data table answer the following Question.

India's exports in 2015	Value in million US\$
Jewellery	1000
Software	725
Cotton	700
Steel	700
Electronics	700

Jewellery was what percent of total exports ?

- A. 28.64 percent
- B. 31.14 percent
- C. 23.64 percent
- D. 26.14 percent

Ans. D.

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

This may be essential at
P-where the market fails to deliver
Q-swath of an economy
R-times , but there is wide

- A. QRP
- B. QPR
- C. PRQ
- D. RQP

Ans. D.

77. Improve the bracketed part of the sentences.

- A. towards
- B. with
- C. against
- D. no improvement

Ans. D.

78. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

- A. rebel
- B. radical
- C. demagogue
- D. Anarchistic

Ans. C.

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

- A. to risk everything in an all-out effort
- B. failure in relationship or partnership
- C. losing all money in an effort to revive a failing business
- D. to start again after failing in a business

Ans. A.

80. 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 sentences in indirect/direct speech.

Kunal said, "Tanu is coming this week,"

- A. Kunal says that Tanu was coming that week
- B. Kunal says that Tanu was coming this week

C. Kunal says that Tanu was going to be come this week

D. Kunal says that Tanu was coming that week

Ans. A.

81. Select the word with the correct spelling.

- A. patterns
- B. smudeging
- C. dissuade
- D. fripery

82. Improve the bracketed part of the sentence.

Usually the climate in the Northern parts of India is cooler (from) the Southern parts.

- A. as
- B. to
- C. than
- D. No

improvement

Ans. C.

83. In the following question, sentence given with blank is to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Jasbir has the.....of a movie star

- A. Jinx
- B. charisma
- C. flash
- D. mysticism

Ans. B.

84. Select the antonym of

- A. catastrophe
- B. miracle
- C. decimation
- D. holocaust

Ans. B.

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

The substitution of cream(A)/instead of milk in the recipe(B)/makes for a rich dessert.(C)/No error(D)

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

Ans. C.

86. Select the antonym of

- A. to retard
- B. to spur
- C. to impel
- D. to propel

Ans. A.

87. Rearrange the parts of the sentences in correct order.

We must urgently

P – ethics that respects, and responds

Q – humanely to, the strangers in our cities

R – and consciously develop a new

- A. RQP
- B. PQR
- C. RPQ
- D. QRP

Ans. C.

88. 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 sentences in Passive/Active voice.

I took the grinder yesterday.

- A. The grinder was taken by me yesterday
- B. The grinder was taken by me the day before

C. The grinder had been took by me the day before

D. The grinder was taken by me yesterday

Ans. D.

89. Choose the correct meaning of the idiom/phrase; In the following question, out of the four alternatives, select the alternatives which best expresses the meaning of the idiom/phrase.

To go the extra mile

A. to get an unexpected bonus

B. to make a special effort to achieve something

C. a lose one's way and walk aimlessly

D. a vehicle which is very fuel efficient

Ans. B.

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

The prince and princess(A)/made their way(B)/through the cheering crowd.(C)No error(D)

A. A

B. B

C. C

D. D

Ans. D.

91. Select the synonym of Shimmering

A. stolid

B. glinting

C. daft

D. daffy

Ans. B.

92. In the following question, sentence given with blank is to be filled in with appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

The enzyme was the.....that triggered the chemical reaction.

A. catalyst

B. support

C. encouragement

D. incitation

Ans. A.

93. Select the word with the correct spelling.

A. addendum

B. atlantise

C. innovate

D. abseiled

Ans. D.

94. In the following question, out of the four alternatives, select the alternatives which is the best substitute of the phrase.

The action of repeating something aloud from memory

A. paraphrase

B. rendition

C. erudition

D. recitation

Ans. D.

95. Select the synonym of

A. lout

B. mediocre

C. done

D. decorous

Ans. A.

96. 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 out of the four alternatives.

.....the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.....

sabotage multiple infrastructure assets, erecting proper defences is.....

Anonymity and low cost have meant that

.....small disaffected groups- apart from hostile states and official agencies-

could.....to cyber techniques.

.....the many existing cyber warfare scenarios

A. Give

B. Given

B. Giving

D. To give

Ans. B.

97. 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 out of the four alternatives.

.....the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.....

sabotage multiple infrastructure assets, erecting proper defences is.....

Anonymity and low cost have meant that

.....small disaffected groups- apart from hostile states and official agencies-

could.....to cyber techniques.

Coordinated cyber attack that.....

sabotage multiple infrastructure assets

A. would

B. should

C. could

D. will

Ans. C.

98. 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 out of the four alternatives.

.....the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.....

sabotage multiple infrastructure assets, erecting proper defences is.....

Anonymity and low cost have meant that

.....small disaffected groups- apart from hostile states and official agencies-

could.....to cyber techniques.

Erecting proper defences is.....

A. Vital

B. Vitality

C. To vital

D. Vitalness

Ans. A.

99. 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 out of the four alternatives.

.....the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.....

sabotage multiple infrastructure assets, erecting proper defences is.....

Anonymity and low cost have meant that

.....small disaffected groups- apart

from hostile states and official agencies- could.....to cyber techniques.

Anonymity and low cost have meant that small disaffected groups

- A. Too
- B. Not only
- C. Even
- D. Both

Ans. C.

100. 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 out of the four alternatives.

.....the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that..... sabotage multiple infrastructure assets, erecting proper defences is.....

Anonymity and low cost have meant thatsmall disaffected groups- apart from hostile states and official agencies- could.....to cyber techniques.

Hostile states and official agencies – couldto cyber techniques.

- A. camp
- B. lodge
- C. park
- D. resort

Ans. D.

