SSC MTS 7th July 2022 Shift-1

English Language

1. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

   The playground was way <u>large then I had</u> imagined, and in cleaning it, my back began to ache.

A   larger than I had

B   No substitution required

C   largest to what I have

D   large then I have

   Answer: A

2. Select the most appropriate meaning of the given idiom.
   To foot the bill

A   To reveal a secret

B   To be friendly

C   To hold grudges

D   To make payment

   Answer: D

3. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.
   <u>Shall you pass me</u> that pasta bowl?

A   Shall pass you

B   Can you pass

C   Could passing you

D   No improvement required

   Answer: B

4. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

   He had begun to dig / diligent along the / low tideline and had / captured two clams.

A   captured two clams

B   low tideline and had

C   diligent along the

D   He had begun to dig

   Answer: C

5. **Select the most appropriate option to fill in the blank.**
   I _____ your remaining project if you get groceries for me from the market.

A   would do

B   will do

C   will have done

D   would have done

   Answer: B

6. **Select the correctly spelt word.**

A   Magestic

B   Flexibal

C   Stringent

D   Faltoring

   Answer: C

7. **Select the most appropriate option to fill in the blank.**
   Which _____ should I take to reach the railway station?

A   root

B   route

C   rote

D   riot

   Answer: B

8. **Select the most appropriate option to fill in the blank.**
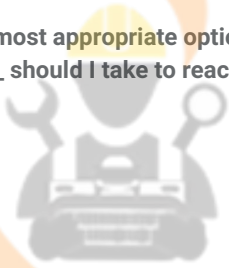   Writing books about how to _____ on the internet seems like a great idea.

A   make a promise

B   make a fortune

C   make a habit

D   make a list

   Answer: B

9. **Select the most appropriate option to fill in the blank.**
   I can't control my _____ these days because I got selected for a job.

A   casualness

B nepotism

C pollution

D excitement

Answer: D

10. **Select the most appropriate option to fill in the blank.**
The Lebanese army raided the boat and _____ dozens of water bottles, tuna cans, loaves of bread, boxes of Picon cheese and life jackets.

A discovered

B learnt

C created

D invented

Answer: A

11. **Select the most appropriate meaning of the underlined idiom in the given sentence.**
My elder brother is so innocent that winning an argument against him is like shooting fish in a barrel.

A Indulge in an illegal activity

B Exceptionally easy to do

C Asking for charity

D Making someone uneasy

Answer: B

12. **Select the most appropriate synonym of the given word.**
Sacred

A Consecrated

B Submissive

C Passionate

D Adamant

Answer: A

13. **Select the option that can be used as a one-word substitute for the given group of words.**
The study of different skin diseases

A Neurology

B Dermatology

C Psychology

D Radiology

Answer: B

14. **Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.**
It has been my great misfortune <u>to follow a speech more notable</u> for its volume than for any sense.

A following a speech most notable

B No improvement required

C to follow a speech much notable

D to have being following a speech more notable

Answer: A

15. **Select the option that can be used as a one-word substitute for the given group of words.**
One who is hostile and violent

A Idle

B Aggressive

C Legendary

D Agreeable

Answer: B

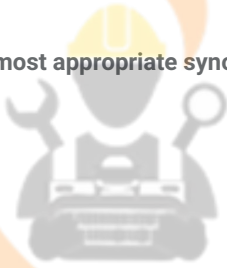16. **Select the most appropriate synonym of the given word.**
Plausible

A irresistible

B Irrational

C Untenable

D Credible

Answer: D

17. **Select the correctly spelt word.**

A Exploitation

B Conversatian

C Reveneue

D Pashion

Answer: A

18. **Select the most appropriate ANTONYM of the given word.**
    Hilarious

A Ridiculous

B Pretentious

C Usual

D Humourless

   Answer: D

19. **Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

   A significant number of students volunteers each year for environmental projects.

A volunteers each year for

B No error

C A significant number of students

D environmental projects

   Answer: A

20. **Parts of the following sentence have been given as options. One of them contains an error. Select the part that contains the error from the given options.**
    Time and technology are two important factor that change substances into resources.

A Time and technology

B resources

C factor that

D two important

   Answer: C

Instructions [21 - 25]

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Can you (1) _____ a deaf woman writing stories about a war? Well, Laura Redden Searing did this. Moreover, she went to foreign countries to write stories. She was very ill when she was 11 years old. Because of this, she lost her (2) _____. She went to the Missouri School for the Deaf. Laura was 19 years old when she went to work for a newspaper. She wrote about people, places and art. In 1859, most women were just wives and (3) _____. They did not work outside the home; otherwise, their husbands would be angry. Due to this feeling, Laura used a (4) _____ name when she wrote her stories. She called herself Howard Glyndon. She thought that unless she used a masculine name, people would be (5) _____ since they did not think that women should write for newspapers.

21. **Select the most appropriate option to fill in blank no. 1.**

A malign

B create

C conjure

D imagine

Answer: D

22. **Select the most appropriate option to fill in blank no. 2.**

A hearing

B suffering

C enduring

D inspiring

Answer: A

23. **Select the most appropriate option to fill in blank no. 3.**

A artists

B writers

C mothers

D teachers

Answer: C

24. **Select the most appropriate option to fill in blank no. 4.**

A woman's

B children's

C adult's

D man's

Answer: D

25. **Select the most appropriate option to fill in blank no. 5.**

A infantile

B versatile

C hostile

D infertile

Answer: C
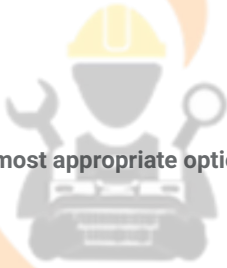
General Intelligence and Reasoning

26. After interchanging the given two signs, what will be the value of the following expression?

$\times$ and $\div$

$20 + 5 \div 6 \times 2 - 5$

A 30

B 35

C 25

D 40

Answer: A

27. The IQ of 7 boys B1, B2, B3, B4, B5, B6 and B7 is tested and the values are compared. B2 has a higher IQ than B6. B5 has the third lowest IQ. B4 has a higher IQ than 6 boys. B3 has an IQ less than B2. B1 has a higher IQ than B2. B7 has the least IQ. Who has the second highest IQ?

A B2

B B7

C B1

D B3

Answer: C

28. Identify the number that does NOT belong to the following series.
49, 98, 196, 394, 784, 1568

A 196

B 784

C 394

D 1568

Answer: C

29. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
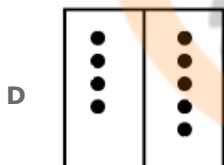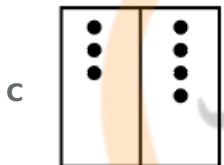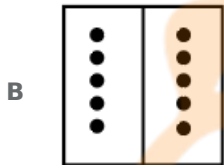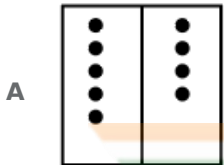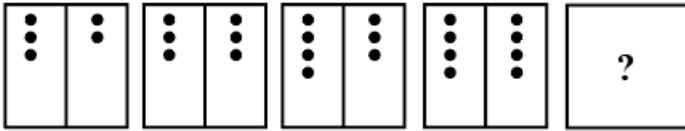No T is G.
Some M are T.

Conclusions:
I. No G is T.
II. All M are G.

A Neither conclusion I nor II follows.

B Both conclusions I and II follow.

C Only conclusion I follows.

D Only conclusion II follows.

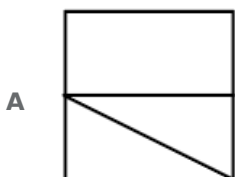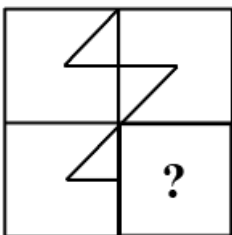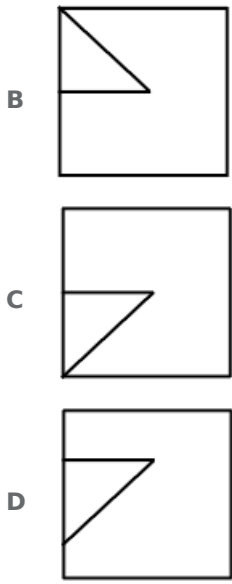Answer: C

30. **Select the figure from among the given options that can replace the question mark (?) in the following series.**

A

B

C

D

Answer: A

31. **Select the figure from the given options that can replace the question mark (?) and complete the pattern.**

A

B

C

D

Answer: C

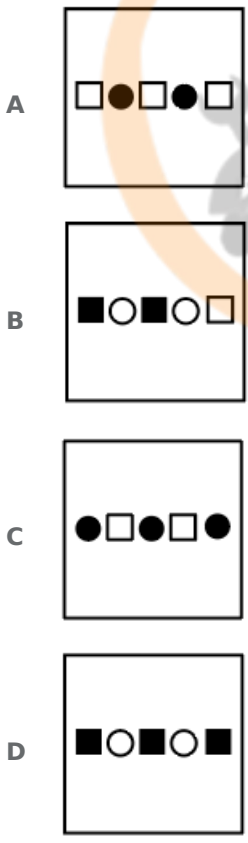32. **Select the figure from among the given options that can replace the question mark(?) in the following series.**

| ■ | ■○ | ■○■ | ■○■○ | ? |

A □●□●□

B ■○■○□

C ●□●□●

D ■○■○■

Answer: D

33. **Select the option in which the numbers shares the same relationship as that shared by the numbers in the given set.**
(132, 186, 240)

   (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

A (124, 158, 202)

B (148, 202, 256)

C (118, 172, 198)

D (142, 176, 194)

   Answer: B

34. **After interchanging which two signs will the value of the given expression be '35'?**
   $$13 + 91 - 3 \div 529 \times 23$$

A + and -

B × and ÷

C × and +

D - and ÷

   Answer: B

35. **8 persons D, E, F, G, H, I, J and K are sitting around a square table, facing towards the centre (not necessarily in the same order). Four persons are sitting at the corners and four persons are sitting at the middle of the sides of the square table. D is sitting at one side and opposite to K. G is sitting at a corner and to the immediate right of D. D is the immediate neighbour of E and G. I is not the immediate neighbour of H. F is sitting at one side and opposite to H.**
   Who is sitting just diagonally opposite to I?

A K

B H

C D

D E

   Answer: D

36. **6 persons A, B, C, D, E and F are sitting around a rectangular table, facing towards the centre (not necessarily in the same order). One person is sitting on each of the smaller sides. Two persons are sitting on each of the bigger sides. No person is sitting at the corners. C and F are sitting on the same side. B is sitting opposite to A. F is the immediate neighbour of B. A is sitting second to the left of D.**

   Counting towards the left of D, how many persons are sitting between A and D?

A Two

B Three

C One

D Zero

  Answer: C

37. **Select the option that is related to the sixth number in the same way as the first number is related to the second number and the third number is related to the fourth number.**
    34 : 12 :: 28 : 16 :: ? : 15
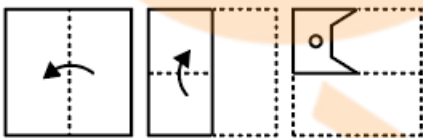
A 26

B 24

C 32

D 35

  Answer: D

38. **Identify the number that does NOT belong to the following series.**
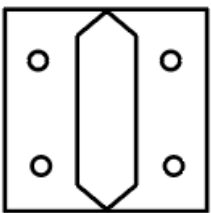   **14, 21, 63, 378, 3402**
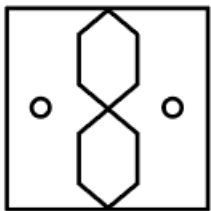
A 3402

B 14

C 21

D 378

  Answer: A

39. **The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?**
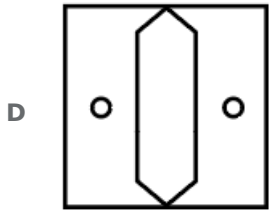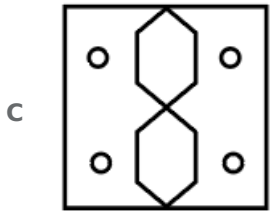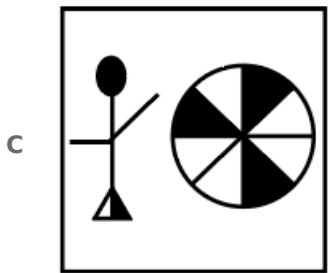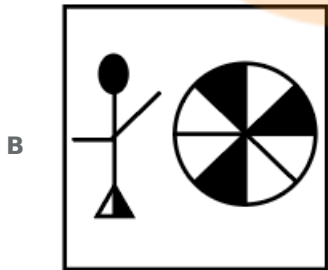

A

B

C

D

Answer: C

40. Select the correct mirror image of the given figure when the mirror is placed at MN.

A

B

C
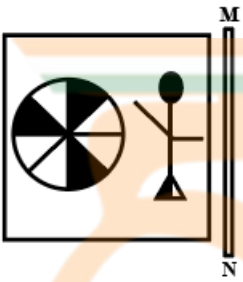
D
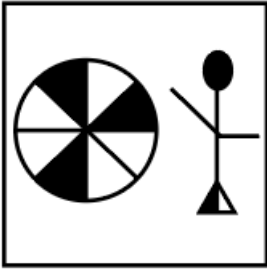
Answer: B

41. In a certain code language, 'POKER' is written as 'IHDXK' and 'FANDS' is written as 'YTGWL'. How will 'AQBCG' be written in that code language?

A TJVVG

B TKUVZ

C TJVUZ

D TJUVZ

Answer: D

42. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given pair of letter-clusters.
ROP : NMP :: ?

A TIN : LGV

B MUG : ESK

C CRB : DPA

D LAN : LXJ

Answer: B

43. In a certain code language 'who are you' is written as 'Sue Re Nik', 'they is you' is written as 'Pi Re Sor', and 'they are dangerous' is written as 'Pi Nik Zhi'. What is the code for 'dangerous' in that code language?

A Sue

B Nik

C Pi

D Zhi

Answer: D

44. Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

Pitch : Cricket :: Court : Badminton :: Ring : ?

A Football

B Boxing

C Hockey

D Rugby

   Answer: B

45. **Select the option in which the given figure is embedded (rotation is not allowed.**

A

B

C

D
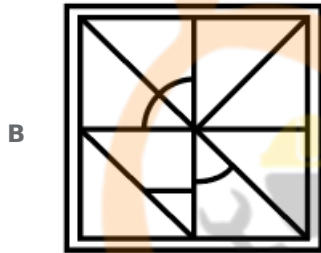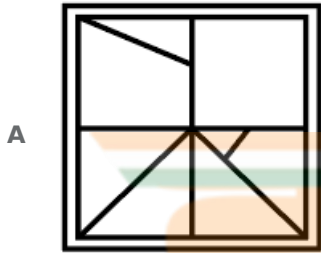
Answer: D

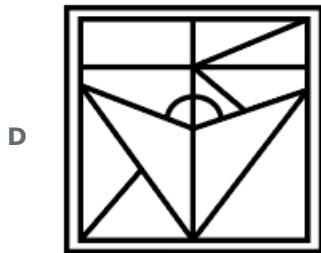46. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
I. All X are B.
II. No C is X.

Conclusions:
I. Some B are not C.
II. All C are B.
III. Some X are C

A   Only conclusion I follows

B   None of the conclusion follow

C   Only conclusions I and II follow

D   Only conclusions II and III follow

Answer: A

47. In a certain code language, 'random boys talk' is written as '8 3 P', 'talk too much girls' is written as '3 4 2 6'. How will 'talk' be written in that language?

A   3

B   P

C   2

D   8

Answer: A

48. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
BOND, FKRZ, JGVV, NCZR, ?

A   RYDN

B   RYDM

C   RXDN

D   RYCN

Answer: A

49. In a certain code language, 'DELHI' is written as 'CDKGH', 'NERVOUS' is written as 'MDQUNTR' and 'SURE' is written as 'RTQD'. What is the code for the word 'MILLION' in that code language?

A   HHSKNMK

B   LHKKHNM

C   SKHHALO

D LADAKHN

Answer: B

50. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.
PV : MQ :: FB : ?

A CX

B DW

C DX

D CW

Answer: D

Numerical Aptitude

51. The current average age of a family of five members is 24. If the present age of the youngest member in the family is 8 years, what was the average age of the family members just before the birth of this youngest member?

A 24 years

B 20 years

C 28 years

D 16 years

Answer: B

52. The following bar chart shows the number of matches played by a team in 6 consecutive years .
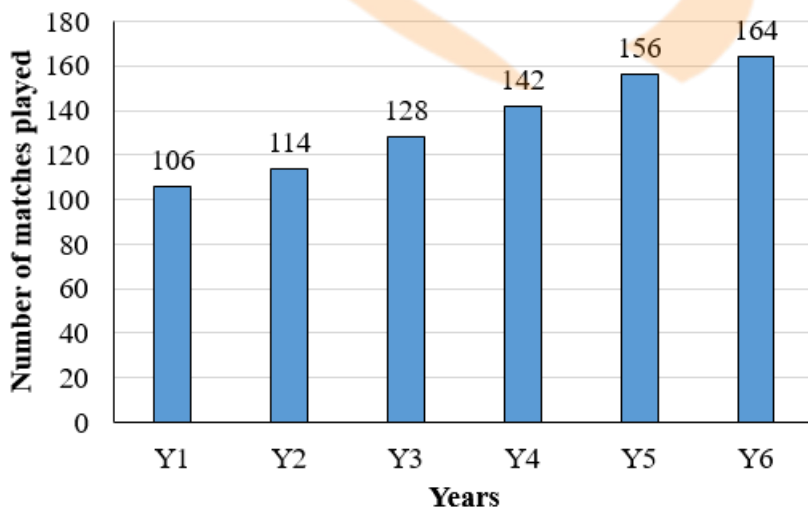
The number of matches played in Y7 will be equal to the average number of matches played in Y3 and Y 4. The number of matches played in Y8 will be 20% more than the number of matches played in Y7. How many matches will be played by the team in Y8?

A 156

B 152

C 168

D 162

   Answer: D

53. **The following pie chart shows the number of cups sold by each of 7 different shops during a given period of time as percentages of the total number of cups sold by these 7 shops taken together during the above-mentioned time period.**
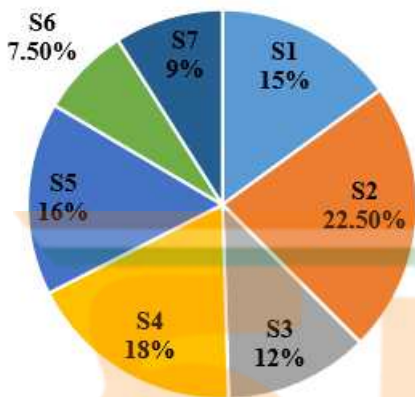
   If the number of cups sold by S6 during this period is 165, then how many cups in total are sold during this period by all these 7 shops taken together?

A 2400

B 2000

C 2600

D 2200

   Answer: D

54. **On a simple interest, Rs. 708 becomes Rs. 944 in four years. If the rate of interest is increased by 5%, then Rs. 675 will become how much in 4 years**

A ₹965

B ₹1,075

C ₹1,035

D ₹1,145

   Answer: C

55. **The length of each side of a square is twice the radius of a circle. If the radius of the circle is 7 cm, then what is the difference between the areas of the square and the circle? [Use $\pi = \frac{22}{7}$]**

A $44\ cm^2$

B $46\ cm^2$

C $42\ cm^2$

D $48 \ cm^2$

Answer: C

56. A solution of 45% alcohol is mixed with a solution of 60% alcohol in the ratio of 2 3. In what ratio should the resultant solution be mixed with a 72% alcohol solution to get a 66% alcohol solution?

A 4 : 7

B 1 : 3

C 1 : 2

D 2 : 3

Answer: C

57. The value of a stone is proportional to the square of its weight. A stone worth ₹1,20,000 is broken into two pieces in the ratio of 2 : 3. What is the total price of the two small stones?

A ₹68,400

B ₹62,400

C ₹66,500

D ₹65,400

Answer: B

58. The side of a square is increased by 25%. What is the percentage increase in its area?

A 62.5%

B 57.5%

C 50%

D 56.25%

Answer: D

59. Puneet sold an article for ₹1,750 at a loss of 50%. If Puneet sells the article at loss of 30%, then what will be the selling price?

A ₹2,640

B ₹2,180

C ₹2,450

D ₹2,100

Answer: C

60. The traffic lights at 3 different road crossings change after every 48 sec, 72 sec and 108 sec, respectively. If they all change simultaneously at 8:20 a.m., then at what time will they next change again simultaneously?

A 8:27:12 a.m.

B 8:33:32 a.m.

C 9:12:18 a.m.

D 8:40:14 a.m.

   Answer: A

61. The marked price of an article is ₹840. A shopkeeper gives a discount of 15% on the marked price and still makes a profit of 19%. What is the cost price of the article?

A ₹580

B ₹540

C ₹600

D ₹640

   Answer: C

62. The average marks of 5 students is 85. If the marks of a new student are also considered, then the average marks becomes 84. What is the marks obtained by the new student?

A 79

B 83

C 78

D 81

   Answer: A

63. A bought a bag and a bottle for a total on ₹900. He sold the bottle at a profit of 12% and the bag at a profit of 20%. If he earned a total profit of ₹160.80, then calculate the cost price of the bottle.

A ₹320

B ₹300

C ₹200

D ₹240

   Answer: D

64. The length of each side of a square is 15 cm. What is the perimeter of the square?

A 80 cm

B 70 cm

C   60 cm

D   100 cm

Answer: C

65. A can beat B in a 100-metre race by 10 metres. B can beat C in a 100-metre race by 10 metres. What is the ratio ($t_A : t_B : t_C$), which are the respective times taken by A, B and C to complete the race?

A   100 : 90 : 81

B   90 : 81 : 100

C   100 : 81 : 90

D   81 : 90: 100

Answer: D

66. The following table shows the number of tables and the number of chairs made of 5 different metals sold by a furniture store over a given time period.

Metal	Tables	Chairs
M1	100	50
M2	150	70
M3	120	40
M4	125	25
M5	200	60

N = Average number of chairs sold per metal

The number of tables sold that were made of metal M3 is approximately what percentage more than N?

A   144.90%

B   166.67%

C   122.22%

D   188.89%

Answer: A

67. A goldsmith uses 110 cm^3 of gold to make a wire 1 mm in diameter. He will use this wire to make gold chains of equal lengths. If each chain requires 56 cm length of wire, then how many gold chains can he make' [Use $\pi = \frac{22}{7}$]

A   320

B   250

C   160

D   210

Answer: B

68. M is inversely proportional to N. If M is 20, then N is 70. If N = 50, then what is the value of M?

A 20

B 700

C 28

D 600

Answer: C

69. A project can be completed by 2 men and 5 women in 8 days while 4 men and 6 women can complete the same project in 5 days. How many men will be required to complete this project in 4 days?

A 8

B 10

C 9

D 12

Answer: A

70. A boat can travel 18 km in 3 hours while going upstream, and 40 km in 4 hours while going downstream. What is the speed of the boat in still water?

A 6 km/h

B 8 km/h

C 10 km/h

D 9 km/h

Answer: B

71. What is the value of $\frac{5}{14}$ of $\frac{7}{12} + \left[\frac{5}{24} - \left(\frac{1}{6} + \frac{1}{2} - \frac{1}{3} \times \frac{1}{4} \right) \right]$

A $\frac{-1}{6}$

B $\frac{-2}{5}$

C $\frac{-3}{4}$

D $\frac{-1}{8}$

Answer: A

72. What is the value of $\frac{0.6 \times 0.6 \div 0.3 + 0.2 \times 0.3 - 0.6}{0.1 \times 0.2 \div 0.4}$

A 15.2

B 14.6

C 13.2

D 12.5

Answer: C

73. A camp of 150 soldiers has food for 400 days. After 50 days, 100 more soldiers join the camp. For how many days will the food last from then onwards?

A 250 days

B 210 days

C 230 days

D 220 days

Answer: B

74. There are two numbers 'x' and 'y'. 40% of 'x' is equal to 60% of 'y'. If the average of 'x' and 'y' is 225, then what is the difference between 'x' and 'y'?

A 85

B 80

C 75

D 90

Answer: D

75. Mohan invested ₹5,000 in a bank which offered interest at the rate of 10% per year compounded semi-annually. How much amount will he get after 2 years? [Give your answer correct to the nearest integer value.]

A ₹6,512

B ₹6,320

C ₹6,250

D ₹6,078

Answer: D

General Awareness

76. Hariprasad Chaurasia is a _____ player.

A flute

B mandolin

C shehnai

D guitar

Answer: A

77. **In which year did Bhagat Singh and BK Dutt throw a bomb in the Central Legislative Assembly?**

A   1928

B   1929

C   1930

D   1931

   Answer: B

78. **As per the 2011 census of India, population density of which of the following states was less than 100 people per square kilometre?**

A   Himachal Pradesh

B   Rajasthan

C   Sikkim

D   Tripura

   Answer: C

79. **If 'u' is the object-distance, 'v' is the image-distance and 'f' is the focal length of a spherical mirror then which of the following is a correct expression for the mirror formula?**

A $\frac{1}{v} + \frac{1}{u} = -\frac{1}{f}$

B $\frac{1}{v} - \frac{1}{u} = \frac{1}{f}$

C $\frac{1}{v} + \frac{1}{u} = \frac{1}{f}$

D $\frac{1}{v} - \frac{1}{u} = -\frac{1}{f}$

   Answer: C

80. **'Red Light On Gaadi Off' campaign was launched by the government of _____.**

A   Uttar Pradesh

B   Haryana

C   Delhi

D   Punjab

   Answer: C

81. **Who among the following has been ranked as the richest person in the world, as per the Forbes' Real-Time Billionaires list 2022?**

A   Elon Musk

B   Jeff Bezos

C   Bernard Arnault

D   Warren Buffet

   Answer: A

82. **Which of the following organisms is responsible for sleeping sickness?**

A   Algae

B   Protozoa

C   Bacteria

D   Viruses

   Answer: B

83. **In which state of India, is the Chapchar Kut festival celebrated?**

A   Jharkhand

B   Goa

C   Mizoram

D   Kerala

   Answer: C

84. **Rainfall is measured by an instrument called the _____.**

A   rain gauge

B   barometer

C   pirani gauge

D   altimeter

   Answer: A

85. **The temples of Khajuraho are a magnificent example of the _____ of the temple.**

A   Vesara style

B   Nagara style

C   Eastern style

D Dravidian style

Answer: B

86. **'Bhavai' is the traditional theatre form of which Indian state?**

A Gujarat

B Nagaland

C Tamil Nadu

D Karnataka

Answer: A

87. **As per the Union Budget 2022-23, how many new jobs are to be created under the productivity linked incentive scheme in 14 sectors?**

A 60 lakhs

B 80 lakhs

C 40 lakhs

D 20 lakhs

Answer: A

88. **Manuscripts were usually written on:**

A marbles

B palm leaf

C tulsi leaves

D iron

Answer: B

89. **Gatka, a traditional fighting style of the Nihang Sikh warriors, used both for self-defence as well as a sport, has originated from which of the following states of India?**

A Gujarat

B Rajasthan

C Bihar

D Punjab

Answer: D

90. **Which of the following tree is found in mountain forests?**

A   rosewood

B   ebony

C   teak

D   Cedar

   Answer: D

91.   'Total Recall : My Unbelievably True Life Story' is an autobiography of:

A   Chris Gayle

B   Eddie Huang

C   IK Gujral

D   Arnold Schwarzenegger

   Answer: D

92.   Where are villi present in the human alimentary canal?

A   Pancreas

B   Oesophagus

C   Stomach

D   Small intestine

   Answer: D

93.   Rajaraja I, the most powerful Chola ruler, became king in _____ C.E.
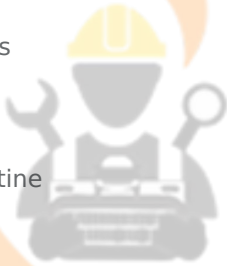
A   985

B   970

C   977

D   995

   Answer: A

94.   Guru Bipin Singh was known for which classical dance form?

A   Manipuri

B   Kathak

C   Bihu

D   Kathakali

   Answer: A

95. **The premier iron ore exporting port of India is situated in _____.**

A   Uttar Pradesh

B   Goa

C   Maharashtra

D   Gujarat

   Answer: B

96. **Article 43B was inserted as a _____ in the Constitution of India.**

A   Constitutional body

B   Fundamental duty

C   Directive principle of state policy

D   Fundamental right

   Answer: C

97. **The Constitution of India states that 'no person shall be eligible for election as President of India unless he has completed the age of _____ years'.**

A   twenty-five

B   forty

C   thirty-five

D   forty-five

   Answer: C

98. **If a batsman hits a ball twice other than for the purpose of protecting his wicket or with consent from the opposition then:**

A   the batsman is given a warning

B   the ball is declared dead

C   he is out

D   a bye of five runs is declared

   Answer: C

99. **The Tendulkar Committee Report (2011-2012) was based on _____.**

A   population growth

B commerce

C poverty

D unemployment

  Answer: C

100. **Which of the following pairs of name of battle and year is/are correctly matched?**
    I. Battle of Buxar - 1764
    II. Battle of Plassey - 1757

A Only I

B Both I and II

C Only II

D Neither I nor II

  Answer: B