

# SSC MTS 19th July 2022 Shift-3

## English Language

1. Select the option that can be used as a one-word substitute for the given group of words.  
Existing or happening in the same time period

- A Inbred
- B Exemplary
- C Contemporary
- D Cosmopolitan

**Answer:** C

2. Select the most appropriate synonym of the given word.  
Confiscated

- A Seized
- B Marinated
- C Acquitted
- D Liberated

**Answer:** A

3. The following sentence has been divided into parts. 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.

Details of the housing / services and allowances / has not been announced yet

- A services and internment
- B Details of the housing
- C No error
- D has not been announced yet

**Answer:** D

4. Select the most appropriate option to fill in the blank.  
After a long \_\_\_\_\_, she finally answered my question.

- A pass
- B posse
- C paws
- D pause

**Answer:** D

5. The following sentence has been divided into parts. 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.

The UAE, along with other/ Gulf states, has been being/ making friendly overtures to Iran.

- A The UAE along with other
- B No error
- C Gulf states has been being
- D making friendly overtures to Iran

**Answer: C**

6. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Every other facility can only be enjoyed with the benefit of good health.

- A being enjoying with
- B No improvement required
- C been enjoyed with
- D enjoying for

**Answer: B**

7. Select the most appropriate ANTONYM of the given word.  
**Robust**

- A Agile
- B Healthy
- C Weak
- D Strong

**Answer: C**

8. Select the most appropriate ANTONYM of the given word.  
**Sprightly**

- A Lethargic
- B Enthusiastic
- C Durable
- D Spiteful

**Answer: A**

9. Select the correctly spelt word.



**INDIA**

- A Indafatigable
- B Indafetigable
- C Indefatigable
- D Indefetigable

**Answer: A**

10. **Select the most appropriate meaning of the given idiom.**  
**A leopard cannot change its spots**

- A It is possible to complete a tedious job
- B being ready to do anything is not common
- C Working with full devotion.brings results
- D It is impossible to change who you are

**Answer: D**

11. **The following sentence has been divided into parts. 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.**  
**In some institutions, additional teaching / assistants will hired to / teach high school students.**

- A No error
- B In some institutions, additional teaching
- C assistants will hired to
- D teach high school students

**Answer: C**

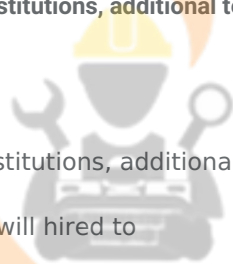
12. **Select the option that can be used as a one-word substitute for the given group of words.**  
**A room in a public building where outdoor clothes or luggage may be left**

- A Cemetery
- B Cloakroom
- C Courtyard
- D Hangar

**Answer: B**

13. **Select the most appropriate synonym of the given word.**  
**Satiate**

- A Pamper
- B Culminate



**INDIA**

C Satisfy

D Agitate

**Answer: C**

14. Select the most appropriate option to fill in the blank.

The skill of execution is viewed as inseparable from art, and mastery of technical problems is a \_\_\_\_\_ for producing expressive interpretations.

A parasite

B premonition

C percussion

D precondition

**Answer: A**

15. Select the most appropriate option to fill in the blank.

The prisoners made an elaborate plan to escape \_\_\_\_\_ the jail.

A in

B by

C for

D from

**Answer: D**

16. Select the most appropriate option to fill in the blank.

I can't \_\_\_\_\_ this pain anymore.

A bier

B boor

C bear

D beer

**Answer: C**

17. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

I can neither punish him nor reward him for which he have done.

A what he done

B No improvement required

- C what he has done
- D which he has did

**Answer:** C

18. Select the most appropriate option to fill in the blank.  
I can't fit this teddy bear in my almirah. It is so \_\_\_\_\_.

- A judicious
- B liberal
- C gigantic
- D petite

**Answer:** C

19. Select the correctly spelt word.

- A Biuldng
- B Biulding
- C Buildng
- D Building

**Answer:** D

20. Select the most appropriate meaning of the given idiom.  
Heart and soul

- A Quickly
- B Suddenly
- C Completely
- D Loudly

**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.

Scientists (1) \_\_\_\_\_ Oxford University say their experimental coronavirus vaccine (2) \_\_\_\_\_ been shown in an early trial to prompt a protective immune response in hundreds of people who got the shot. British researchers first began testing the vaccine in April in about 1,000 people, half of (3) \_\_\_\_\_ got the experimental vaccine. Such early trials are usually designed only to (4) \_\_\_\_\_ safety, but in this case, experts were also looking to see what kind of immune response was (5) \_\_\_\_\_ .

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

- A to
- B in

C on

D at

**Answer: D**

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

A was

B had

C have

D has

**Answer: D**

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

A whose

B what

C whom

D which

**Answer: C**

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

A elevate

B criticise

C dictate

D evaluate

**Answer: D**

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

A reduced

B provoked

C sheltered

D lessened

**Answer: B**



## General Intelligence and Reasoning

26. 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. No G is H.

II. Some R are G.

Conclusions:

I. Some H are not G.

II. All H are R.

- A Only conclusion II follows  
B Only conclusion I follows  
C Neither conclusion I nor II follows  
D Both conclusions I and II follow

Answer: B

27. In a certain code language, 'DISK' is written as 'SIKD', and 'MINE' is written as 'NIEM'. How will 'BOLD' be written in that language?

- A BLOD  
B DOLB  
C BDOL  
D LODB

Answer: D

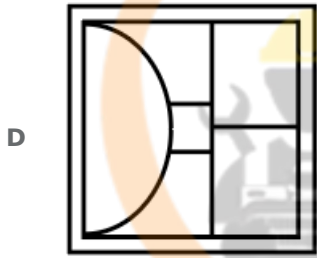
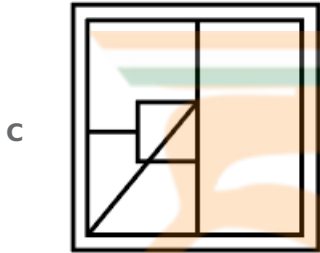
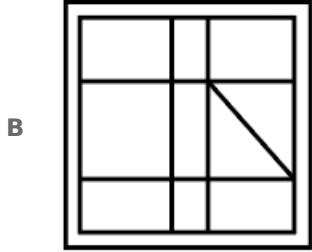
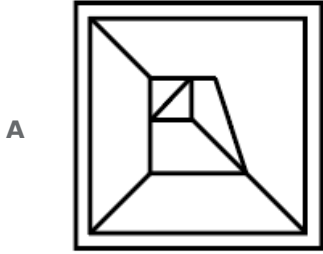
28. In a certain code language, if phone is called laptop, laptop is called kettle, kettle is called refrigerator, refrigerator is called charger, and charger is called cooler, then what is used to store food?

- A Charger  
B Laptop  
C Refrigerator  
D Kettle

Answer: A

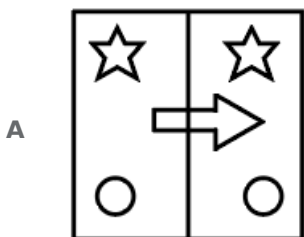
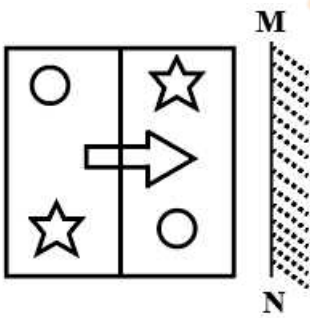
29. Select the option in which the given figure is embedded. (Rotation is allowed)



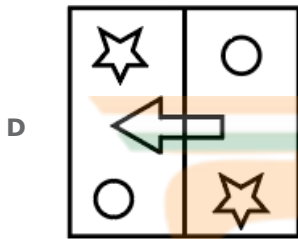
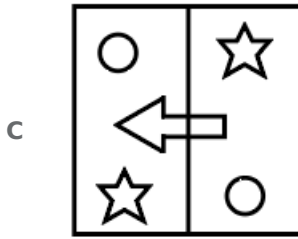
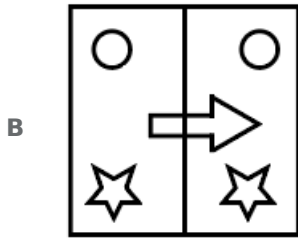


Answer: A

30. Select the correct mirror image of the given figure when the mirror is placed at line MN as shown.







**Answer: D**

31. Select the number from among the given options that can replace the question mark (?) in the following series.  
56, 111, 221, 441, 881, ?

- A** 1651
- B** 1661
- C** 1761
- D** 1781

**Answer: C**

32. If 'Red' is called 'Blue', 'Blue' is called 'White', 'White' is called 'Black', 'Black' is called 'Pink', and 'Pink' is called 'Orange', then what is the colour of milk?

- A** Pink
- B** Orange
- C** White
- D** Black

**Answer: D**

33. Select the option in which the numbers are related in the same way as are the numbers in the given set.  
(146, 102, 58)

- A** (164, 120, 56)

**B** (150, 106, 62)

**C** (168, 114, 70)

**D** (152, 108, 84)

**Answer: B**

34. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

MN013 : QRS17 :: PQR16 : TUV20 :: STU19 : ?

**A** WXY22

**B** VWX23

**C** WXY23

**D** VWX22

**Answer: C**

35. By interchanging the two numbers 20 and 36, which of the following equations will be correct?

I.  $55 + 42 - 36 \times 20 \div 9 = 17$

II.  $20 \div 2 \times 36 + 81 - 41 = 400$

**A** Only I

**B** Only II

**C** Both I and II

**D** Neither I nor II

**Answer: C**

36. Select the letter-cluster that can replace the question mark (?) in the following series.

GAM, DCJ, AEG, XGD, ?

**A** VJA

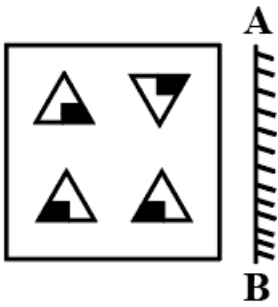
**B** UIA

**C** VIA

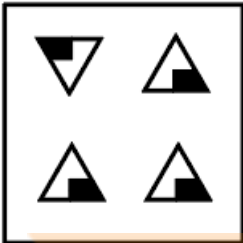
**D** UJA

**Answer: B**

37. Select the correct mirror image of the given figure when the mirror is placed at the right side.



A



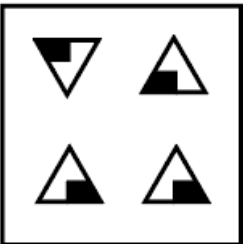
B



C



D



**Answer: D**

38. Among five friends Aman, Baman, Chaman, Karan and Tapan, Chaman is older than only one friend. Tapan is older than Karan. Only two persons are older than Karan. Baman is older than Tapan. Who is the youngest among all the friends?

- A Aman
- B Chaman
- C Tapan
- D Karan

**Answer: A**

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

$$68 : 4 :: 130 : 5 :: 350 : ?$$

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

**Answer:** D

40. 6 persons A, B, C, D, E and F are sitting in a row facing north (not necessarily in the same order). A is the immediate neighbour of D and F. F is the immediate neighbour of E and A. B is in the second position from the right end. If D is not at any of the ends, then how many persons are sitting towards the left of D?

- A 2
- B 1
- C 5
- D 3

**Answer:** D

41. Which of the numbers (not digits) should be interchanged in the given equation to make it mathematically correct?

$$4 + 6 \times 3 - 5 \div 2 = 16$$

- A 5 and 6
- B 4 and 6
- C 2 and 3
- D 5 and 3

**Answer:** A

42. Select the option that will replace the question mark (?) in the given series.

$$77, 158, 207, 232, 241, ?$$

- A 242
- B 243
- C 244
- D 240

**Answer:** A

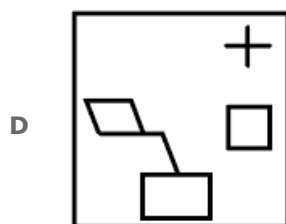
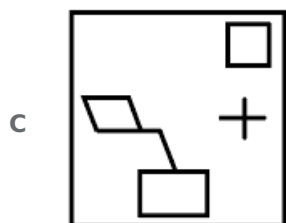
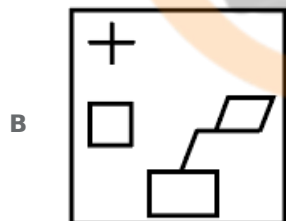
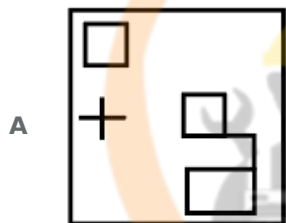
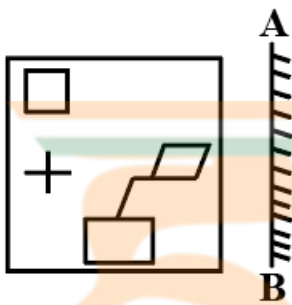
43. Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

RIDE : EIDR :: IDLE : EDLI :: LAMP : ?

- A ALPM
- B PAML
- C PMAL
- D MPAL

**Answer:** B

44. Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.



**Answer:** C

45. Select the option that is related to the third word in the same way as the second word is related to the first word.

Night Blindness : Vitamin A :: Beri Beri : ?

- A Vitamin D
- B Vitamin C
- C Vitamin B
- D Vitamin A

Answer: C

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.

Statement I: Some pastas are pizzas. No pizza is a burger.

Statement II: All burgers are nachos.

Conclusion I: Some pasta being nacho is a possibility.

Conclusion II: All pizza being nacho is a possibility.

- A Both conclusions I and II follows.
- B Neither conclusion I nor II follows.
- C Only conclusion I follows.
- D Only conclusion II follows

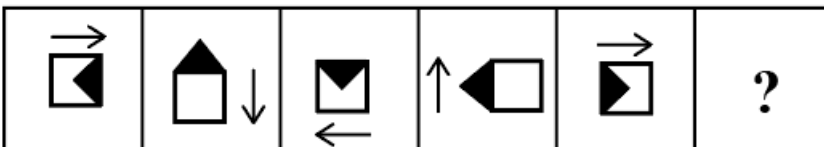
Answer: A

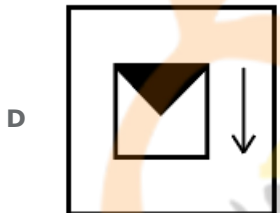
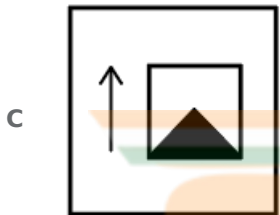
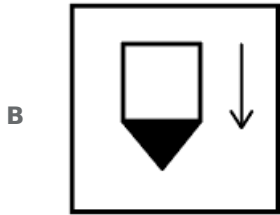
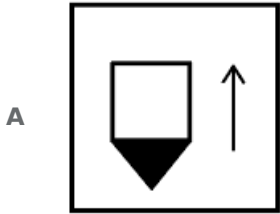
47. In a certain code language, 'HOLA' is coded as '16', and 'GRABY' is coded as '25'. How will 'SIX' be coded in that language?

- A 6
- B 12
- C 18
- D 9

Answer: D

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





Answer: B

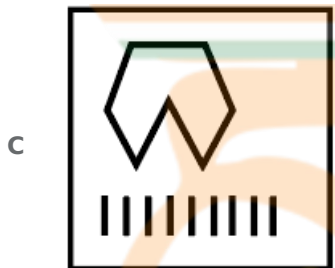
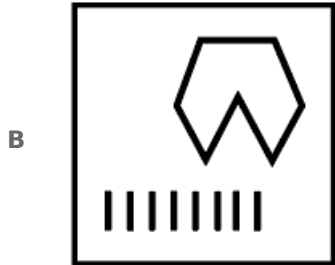
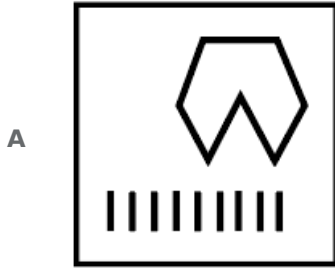
49. Among seven friends P, Q, R, S, T, U and V; U is taller than only three other friends. R is tallest among all friends. T is taller than U. Q is taller than only one person. Only two persons are taller than P. V is taller than Q. Who is the shortest among all the friends?

- A S
- B U
- C V
- D P

Answer: A

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





Answer: D

### Numerical Aptitude

51. Ramya lent a certain sum of money at 4% simple interest to Seema and in 8 years the interest amounted to ₹3,400 less than the sum lent. Find the sum lent by Ramya to Seema.

A ₹3,050

B ₹6,100

C ₹8,200

D ₹5,000

Answer: D



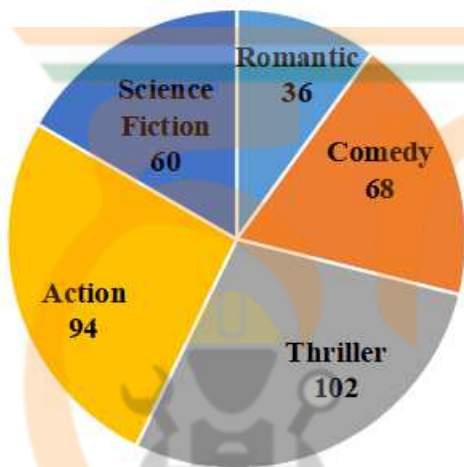
52. A and B can do a piece of work together in 10 days, B and C can do the same work together in 15 days, while C and A can do the same work together in 20 days. In how many days can A, B and C do the same work, working together?

- A  $\frac{60}{11}$
- B  $\frac{60}{13}$
- C  $\frac{120}{11}$
- D  $\frac{120}{13}$

**Answer: D**

53. A survey was conducted to find out which genre of movies people liked the most. 1,200 people answered the survey. The following pie chart shows the result of that survey.

Central angle (in degrees)



What is the number of people who liked science fiction?

- A 100
- B 200
- C 150
- D 230

**Answer: B**

54. A person bought an article and sold it at a loss of 15%. If he would have sold it for ₹50 more, he could have gained 10%. What was the original cost price of the article?

- A ₹260
- B ₹280
- C ₹160
- D ₹200

**Answer: D**

55. There are a total of 60 students in a class and the ratio of the number of boys to that of the girls is 4 : 1, respectively. If 22 of the boys from this class are vegetarians, then find the number of non-vegetarian boys from the same class .

- A 26
- B 18
- C 38
- D 28

**Answer: A**

56. The male population of a city has increased by 20% from the previous year, while the female population has increased by 42.5%. If the total population of the city has increased by 30%, then the female population of the city was what percentage of male population in the previous year?

- A 60%
- B 80%
- C 90%
- D 70%

**Answer: B**

57. 15 kg of grapes, in which 90% of the content was water, were kept in sunlight. In presence of sunlight, the water content reduced to such an extent that now only 85% of the total weight of the grapes was water. Find the total reduced weight of the grapes

- A 10 kg
- B 14 kg
- C 13 kg
- D 12 kg

**Answer: A**

58. The following table shows the marks scored by 2 students in 5 different subjects.

	Student 1	Student 2
Subject 1	40	30
Subject 2	48	40
Subject 3	36	35
Subject 4	32	32
Subject 5	44	43

N = Total marks of student 1 in subjects 1 and 4 taken together

M = Total marks of student 2 in subjects 3 and 5 taken together

What is the value of N : M?

- A 12 : 13
- B 44 : 31

C 44 : 39

D 17 : 19

**Answer:** A

59. The value of  $30\%$  of  $3000 + \sqrt{289} - 897$  is:

A 20

B -29

C 41

D 62

**Answer:** A

60. The perimeter of an equilateral triangle is equal to the circumference of a circle. If each side of this equilateral triangle is 88 cm long, then what will be the length of the diameter of the circle mentioned above? [Use  $\pi = \frac{22}{7}$ ]

A 21 cm

B 63 cm

C 84 cm

D 42 cm

**Answer:** C

61. A sum of ₹2,400 is invested for 4 years at  $R\%$  p.a, simple interest and the simple interest received is ₹1,152. Find the amount received after 3 years when the same sum is invested at  $(R + 8)\%$  p.a, simple interest.

A ₹3,260

B ₹3,180

C ₹2,880

D ₹3,840

**Answer:** D

62. The average of 8 numbers is 12. If a number Y is added to each of these 8 numbers, then the average becomes 16. What is the value of Y?

A 5

B 4

C 8

D 6

**Answer:** B

63. The average of 10 consecutive even numbers is 25. If the even number just preceding the smallest of the 10 given numbers is also included, then what will be the new average?

- A 11
- B 9
- C 23
- D 24

**Answer:** D

64. A bus starts from a bus station after every 30 minutes in the same direction. The speed of each bus is the same. Z is riding a bike in the opposite direction at a speed of 25 km/h. Z meets each bus in 20 minutes. What is the speed of each bus?

- A 50 km/h
- B 75 km/h
- C 30 km/h
- D 60 km/h

**Answer:** A

65. Find the value of  $(13 \times 23) - \sqrt{(758 + \sqrt{676}} - (49^2 \times 1 + 7) + 15 \times 33$

- A 413
- B 403
- C 423
- D 433

**Answer:** C

66. If  $(6x + 5y) : (6x - 5y) = 11 : 5$  then what is  $x : y$ ?

- A 20 : 9
- B 12 : 5
- C 15 : 8
- D 18 : 11

**Answer:** A

67. A train can cover a certain distance in 3 hrs. If the track management is improved, an increase in the speed of the train by 10 km/h is possible, which can reduce the above journey time by 30 minutes. Find the initial speed of the train.

- A 60 km/h
- B 80 km/h
- C 50 km/h
- D 65 km/h

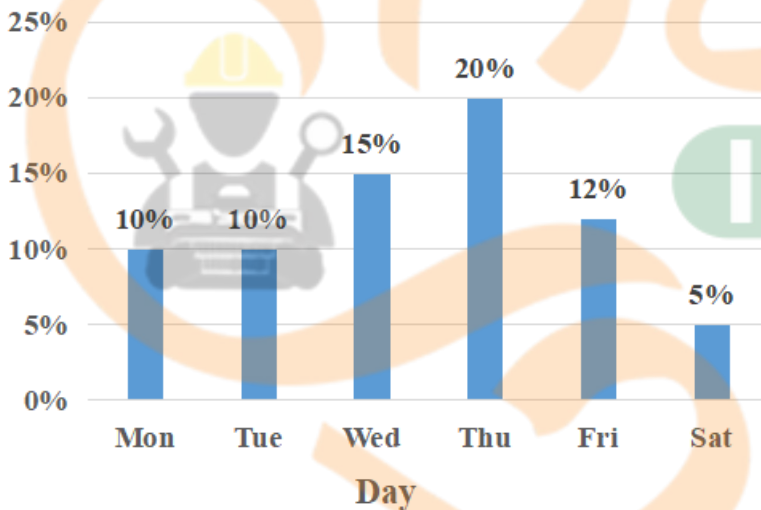
**Answer:** C

68. In an election between two candidates, one got 60% of the total valid votes, and 10% of the votes were invalid. If the total number of votes cast were 10800, what was the number of valid votes for the other candidate?

- A 5832
- B 4898
- C 3888
- D 4820

**Answer:** C

69. The following bar graph shows the percentage increase in the price of crude oil on different days of a given week compared to its price on the previous day.



If the price of crude oil at the end of Friday was ₹44,800 per barrel, then what was the price (per barrel) of crude oil at the end of Thursday?

- A ₹44,000
- B ₹42,000
- C ₹42,500
- D ₹40,000

**Answer:** D

70. A work can be completed by X men in 15 days. 10 more men join them after 3 days. The remaining work is now completed in 8 days. What is the value of X?

- A 16
- B 20
- C 12
- D 24

**Answer:** B

71. A dealer bought an item at a discount of 10% on its original price. He sold it for an amount 35% more than the original price. What percentage of profit did he get?

- A 42.5%
- B 50%
- C 62.5%
- D 57.5%

**Answer:** B

72. Find the largest number with which when 394 and 658 are divided, they leave remainders of 1 and 3, respectively.

- A 143
- B 141
- C 133
- D 131

**Answer:** D

73. 40 chairs are bought at the marked price of 36 chairs. If these 40 chairs are sold after giving a discount of 1%, then find the profit percentage?

- A 7.25%
- B 5%
- C 12.5%
- D 10%

**Answer:** D

74. The length of a rectangle is 5 times of its breadth. If the breadth is 10 cm, then what is the perimeter of the rectangle?

- A 60 cm
- B 110 cm
- C 120 cm
- D 95 cm

**Answer: C**

75. Find the length of the diagonal of a closed cube 'whose total surface area is  $96 \text{ m}^2$ .

- A  $8\sqrt{3} \text{ m}$
- B  $4\sqrt{3} \text{ m}$
- C  $2\sqrt{3} \text{ m}$
- D 4 m

**Answer: B**

## General Awareness

76. What are the projections of varying lengths protruding out of an amoeba's body, which can appear and disappear, known as?

- A Contractile vacuole
- B Paramecium
- C Pseudo vacuole
- D Pseudopodia

**Answer: D**

77. What is the minimum age to become Rajya Sabha member?

- A 20 years
- B 25 years
- C 35 years
- D 30 years

**Answer: D**

78. Who among the following former governors of the Reserve Bank of India (RBI) was appointed as the Vice-President of The Asian Infrastructure Investment Bank (AIIB) in January 2022?

- A Urjit Patel
- B Raghuram Rajan
- C YV Reddy
- D D Subbarao

**Answer: A**

79. Who among the following musicians has won the Bharat Ratna Award?



INDIA

- A Ram Narayan
- B Ustad Bismillah Khan
- C Hariprasad Chaurasia
- D Ustad Ali Akbar Khan

**Answer:** B

80. **By maternal descent, Mughals were descendants of ?**

- A Timur
- B Alexander
- C Genghis Khan
- D Galba

**Answer:** C

81. **Gochi festival is an Indian festival majorly celebrated in \_\_\_\_\_.**

- A Chhattisgarh
- B Goa
- C Himachal Pradesh
- D Karnataka

**Answer:** C

82. **Who set up the Asiatic Society of Bengal?**

- A James Mill
- B William Jones
- C Robert Clive
- D Warren Hastings

**Answer:** B

83. **In which year was the first ICC men's Cricket World Cup played?**

- A 1977
- B 1974
- C 1976



**INDIA**



**D** 1975

**Answer:** D

84. Which of the following factors does NOT affect the formation of soil?

**A** Climate

**B** Parent material

**C** Landslides

**D** Topography

**Answer:** C

85. The Barabati Fort is situated in the city of.

**A** Guwahati

**B** Cuttack

**C** Madurai

**D** Raipur

**Answer:** B

86. Which of the following elements of the periodic table has atomic number 1?

**A** Hydrogen

**B** Cobalt

**C** Copper

**D** Nitrogen

**Answer:** A

87. 'Ace Against Odds' is the autobiography of which of the following persons?

**A** Vijay Amritraj

**B** Sania Mirza

**C** Leander Paes

**D** Mahesh Bhupathi

**Answer:** B

88. Which famous Bharatanatyam dancer was awarded with the Padma Bhushan in 1957 and Padma Vibhushan in 1977? Bengali film director Satyajit Ray made a documentary on her.

**A** Ileana Citaristi

- B** Tanjore Balasaraswati
- C** Saroj Khan
- D** Kumari Kamala

**Answer: B**

89. Zoroaster was a/an \_\_\_\_\_ prophet.

- A** Indian
- B** Chinese
- C** British
- D** Iranian

**Answer: D**

90. The word agriculture is derived from the Latin words ager and culture. What does 'ager' mean?

- A** Rocks
- B** Soil
- C** Water
- D** Plants

**Answer: B**

91. Who founded Shantiniketan near Bolpur on 22 December 1901?

- A** Dr Rajendra Prasad
- B** Rabindranath Tagore
- C** Durgabai Deshmukh
- D** Gopal Krishna Gokhale

**Answer: B**

92. What is the total number of India's neighbouring countries?

- A** Twelve
- B** Six
- C** Eight
- D** Nine

**Answer: B**



**INDIA**

93. Which Indian city will host the 2023 International Olympic Committee session?

- A Chennai
- B Pune
- C Mumbai
- D Bengaluru

**Answer:** C

94. Which state has the highest reserves of graphite in India, as of April 2022?

- A Maharashtra
- B Arunachal Pradesh
- C Karnataka
- D Chhattisgarh

**Answer:** B

95. Which of the following is NOT a feature of parliamentary government in India?

- A Membership of the ministers in the legislature,
- B Undissolvable lower house
- C Presence of nominal and real executives
- D Collective responsibility of the executive to the legislature

**Answer:** B

96. In India, the second census of the 21st century was conducted in \_\_\_\_\_.

- A 2014
- B 2011
- C 2004
- D 2009

**Answer:** B

97. Who among the following legendary Kathak dancers passed away in January 2022?

- A Pandit Birju Maharaj
- B Pandit Lachhu Maharaj
- C Pandit Ravi Shankar
- D Pandit Durga Lal

**Answer: A**

98. **Baking soda is the common name of \_\_\_\_\_.**

- A** citric acid
- B** tartaric acid
- C** sodium bicarbonate
- D** ammonium hydroxide

**Answer: C**

99. **Since which year has the AFSPA been started?**

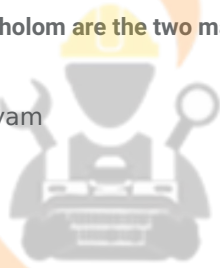
- A** 1949
- B** 1952
- C** 1958
- D** 1955

**Answer: C**

100. **Jagoi and Cholom are the two main divisions of ?**

- A** Bharatanatyam
- B** Odissi
- C** Manipuri
- D** Kathak

**Answer: C**



**INDIA**