

# SSC MTS 7th July 2022 Shift-2

## English Language

1. 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.

At seven began the education that was to making the young boy a citizen and a soldier.

- A No error
- B At seven began the education
- C boy a citizen and a soldier
- D that was to making the young

**Answer: D**

2. Select the most appropriate ANTONYM of the given word.

Steady

- A Tabular
- B Shaky
- C Dedicate
- D Constant

**Answer: B**

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

He admonished his listeners \_\_\_\_\_ their wicked ways.

- A changes
- B changed
- C to change
- D change

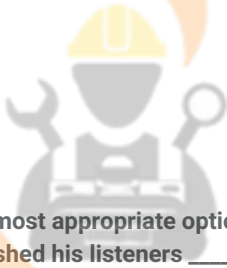
**Answer: C**

4. Select the most appropriate meaning of the underlined idiom in the given sentence.

I want you to give me this contract in black and white.

- A in writing
- B quickly
- C in the morning
- D at night

**Answer: A**



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

I am not going to buy \_\_\_\_\_ toys for you.

- A them
- B these
- C they
- D this

**Answer: B**

6. Select the correctly spelt word.

- A Suddenly
- B Sudenly
- C Sudenlly
- D Suddenlly

**Answer: A**

7. Select the INCORRECTLY spelt word.

- A Nascent
- B Malleable
- C Dissiminate
- D Obsequious

**Answer: C**

8. Select the most appropriate word for the given group of words.

A cage for small animals

- A Cave
- B Hutch
- C Shed
- D Hut

**Answer: B**

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

Getting a good night's sleep has a positively effect on our wellbeing.

- A have a positively affect
- B has a positive effect



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**C** No improvement required

**D** has a positive affects

**Answer: B**

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

My sister treats me well in the morning but at night she becomes \_\_\_\_\_.

**A** eloquent

**B** awful

**C** exemplary

**D** acceptable

**Answer: B**

11. Select the most appropriate synonym of the given word.

Gloomy

**A** Depressing

**B** Comfortable

**C** Bright

**D** Intrepid

**Answer: A**

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

Many an old story were retold, and ancient conundrum repeated.

**A** Many an old story was retold

**B** Many old story were retold

**C** Many an old stories were retold

**D** No improvement required

**Answer: A**

13. Select the most appropriate meaning of the given idiom.

Long in the tooth

**A** Too uncomfortable for words

**B** Too old to do something

**C** Too wise for people

**D** Extremely dangerous

**Answer: B**

14. Select the option that can be used as a one-word substitute for the given group of words.  
One who is not sure about God's existence

- A Agnostic
- B Anchor
- C Pantheist
- D Haggard

**Answer:** A

15. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.  
Scientific discoveries is often result of hard work by many people.

- A No improvement required
- B is often resulting
- C are often resulted
- D are often the result

**Answer:** D

16. Select the most appropriate option to fill in the blank.  
The US has become far more \_\_\_\_\_ to people with all kinds of food sensitivities and diet regimens.

- A deviated
- B lodging
- C selective
- D accommodating

**Answer:** D

17. 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.  
Frank has being making / the rounds, advancing a theory / that I believe is not without merit.

- A the rounds, advancing a theory
- B No error
- C Frank has being making
- D that I believe is not without merit

**Answer:** C

18. 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.

Whatever a writer puts / into a story probably comes with / his own life experience.

- A with his own life experience
- B No error
- C into a story probably comes
- D Whatever a writer puts

**Answer:** A

19. Select the most appropriate synonym of the underlined word in the given sentence.

He was critically injured in the accident.

- A Favourably
- B severely
- C trivially
- D Confidently

**Answer:** B

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

All of my efforts to save her life have gone in \_\_\_\_.

- A vain
- B vein
- C van
- D vane

**Answer:** A

#### 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.

In its 47 years of history, ISRO (1) \_\_\_\_\_ breakthrough work in the field of technology and even (2) \_\_\_\_\_ many vehicles into space. (3) \_\_\_\_\_ the last 47 years, ISRO has improvised and developed technology, launching (4) \_\_\_\_\_ indigenously created vehicles into space (5) \_\_\_\_\_ form a part of the Indian space journey.

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

- A done
- B do
- C has done
- D does

**Answer: C**

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

- A** blocked
- B** stocked
- C** launched
- D** shared

**Answer: C**

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

- A** Across
- B** Over
- C** Along
- D** Among

**Answer: B**

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

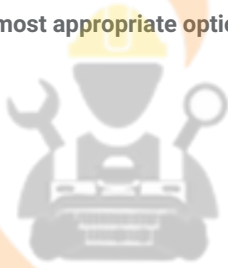
- A** much
- B** lots
- C** very
- D** several

**Answer: D**

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

- A** when
- B** that
- C** how
- D** who

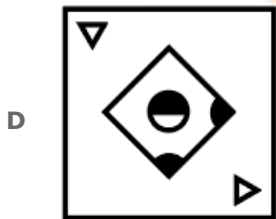
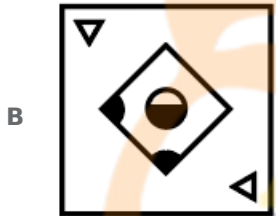
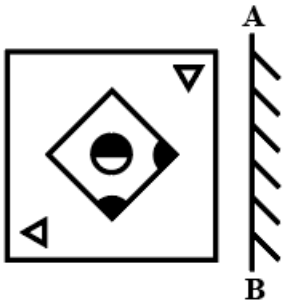
**Answer: B**



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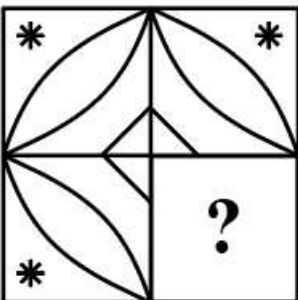
## General Intelligence and Reasoning

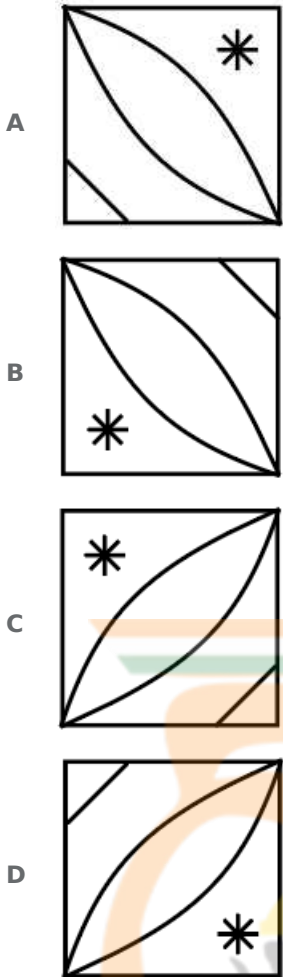
26. Select the correct mirror image of the given figure when the mirror is placed at the right side.



Answer: C

27. Select the figure from the options that can replace the question mark (?) and complete the given pattern (rotation is NOT allowed).





**Answer:** D

28. 6 girls J, K, L, A, B and C are sitting around a square table facing the centre (not necessarily in the same order). 4 girls are sitting in the corners and 2 girls are sitting one each in the middle of two opposite sides of the square. L and C are sitting opposite each other. L is the immediate neighbour of A and B. C is not sitting on the corner. Who are the immediate neighbours of C?

- A K and B
- B K and A
- C J and K
- D J and B

**Answer:** C

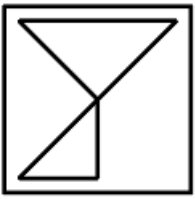
29. In a certain code language, 'TOIR' is coded as '62', and 'HATE' is coded as '34'. How will 'GAYL' be coded in that language?

- A 43
- B 46
- C 45
- D 44

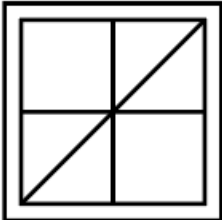
**Answer:** C



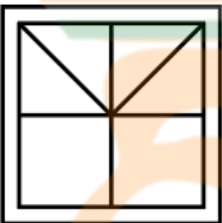
30. Select the option in which the given figure is embedded (rotation is NOT allowed).



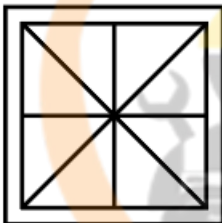
A



B



C



D



Answer: C

31. Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All Books are Pens.

All Pens are Pencils.

Conclusions:

I. All Books are Pencils.

II. All Pencils are Books.

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

**Answer: C**

32. 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 teeth are noses and some noses are hands.**

**Statement II: Some hands are feet.**

**Conclusion I: Some teeth are feet.**

**Conclusion II: All hands are noses.**

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

**Answer: D**

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

1703, 1668, 1633, 1598, 1563, ?

- A** 1526
- B** 1533
- C** 1528
- D** 1530

**Answer: C**

34. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.  
LAS, IYR, FWQ, CUP, ?

- A** ZSO
- B** ZSQ
- C** ZRP
- D** YSO

**Answer: A**

35. In a certain code language, 'This is my brother' is written as 'Bo UvZs Mn', 'That is my dog' is written as 'Zs Pt Uv Ga', 'This is your father' is written as 'Bo Uv Ex Yz'. How will 'brother' be written in that language?

- A** Zs
- B** Uv
- C** Bo
- D** Mn

**Answer: D**

36. Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
(15, 135, 6)(12, 84, 5)

- A (21, 315, 6)
- B (9, 89, 3)
- C (24, 145, 18)
- D (17, 165, 7)

**Answer: A**

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

ACT : KCD :: EAR : OAB :: EYE : ?

- A OZO
- B OYE
- C OYN
- D OYO

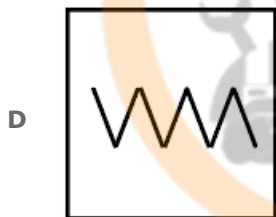
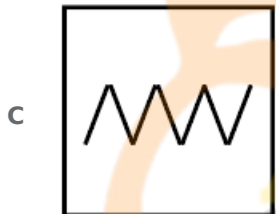
**Answer: D**

38. In a certain code language, 'mould soft gel' is written as '8 6 4', 'gel is not hard' is written as 'pr kc 8 3' and 'hard is grey mould' is written as 'kc 3 4 9'. How will 'grey soft' be written in that language?

- A 9 6
- B 9 4
- C 1m 6
- D 1m 4

**Answer: A**

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



**Answer: B**

41. No two of the six friends U, V, W, X, Y and Z, are of the same height. V is taller than only three other friends. Z is only taller than X. W is shorter than U only. Find who is the third shortest among all the friends.

A U

B Z

C Y

D V

**Answer: C**

42. 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.

GROW : ITQY :: MATE : ?

A OCVH

- B** OCVG
- C** OCUG
- D** OBVG

**Answer:** B

43. 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.

$$15 : 36 :: 25 : 56 :: 35 : ?$$

- A** 86
- B** 76
- C** 96
- D** 66

**Answer:** B

44. Which two numbers (not digits) need to be interchanged to make the given equation correct?

$$10 \times 18 + 216 \div 5 - 41 = 21$$

- A** 216 and 18
- B** 10 and 41
- C** 5 and 10
- D** 18 and 5

**Answer:** D

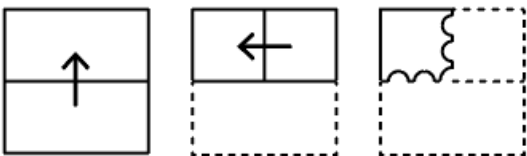
45. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and also '×' and '÷' are interchanged?

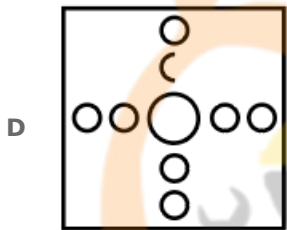
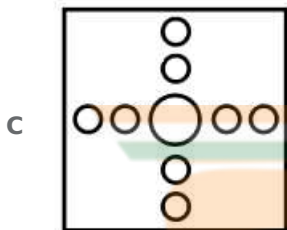
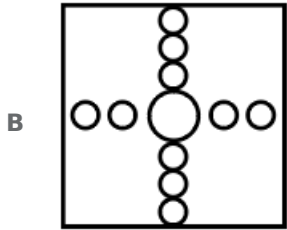
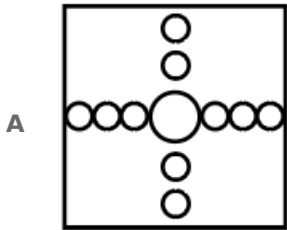
$$20 \times 5 - 10 + 5 \div 2 = ?$$

- A** 6
- B** 2
- C** 4
- D** 8

**Answer:** C

46. 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?





Answer: C

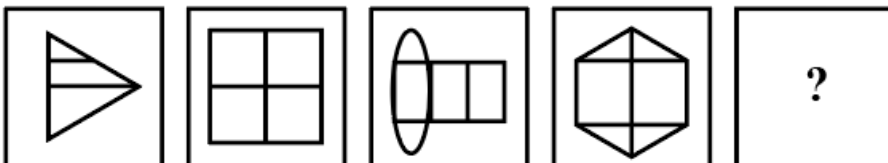
47. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

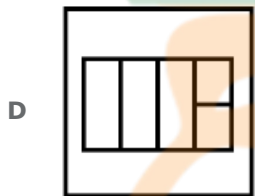
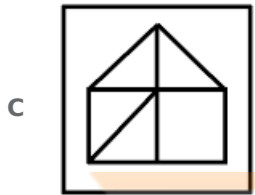
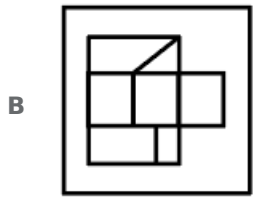
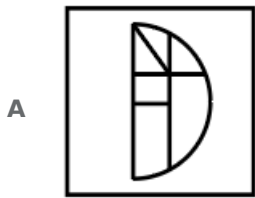
MARS : NLBZSQTR :: PLUTO : QOMKVTUSPN :: EARTH : ?

- A FDBZSQUSIG
- B QUIESEDILA
- C FDZBQSSUIG
- D QOSFDDIUAS

Answer: A

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





**Answer:** B

49. Six people Sumit, Aamish, Saif, Ashutosh, Anubhav and Piyush are sitting in a straight row facing North. Only one person was sitting left to Piyush. Aamish is not sitting in either corner. Anubhav is sitting immediate left to Saif. Only one person is sitting in between Piyush and Ashutosh. Who is sitting to the immediate left of Ashutosh?

- A Saif
- B Sumit
- C Aamish
- D Anubhav

**Answer:** C

50. Which number will replace the question mark (?) in the following series?  
819, 829, 840, 852, ?

- A 864
- B 858
- C 880
- D 865

**Answer:** D

## Numerical Aptitude

51. If  $a : b : c = 3 : 2 : 4$  and  $b : d = 2 : 3$ , then find the value of  $\left(\frac{a+c+d}{c-d}\right)^3$

- A 729/8
- B 216
- C 125
- D 1000/27

**Answer: C**

52. Sai can do a piece of work alone in 50 days. Ria is 25% more efficient than Sai. What is the number of days that Ria will take to do the same piece of work alone?

- A 30 days
- B 60 days
- C 40 days
- D 56 days

**Answer: C**

53. If 30% of a number is 15 more than 135, find 50% of that number.

- A 200
- B 210
- C 230
- D 250

**Answer: D**

54. If the cost price of an item is ₹2,000 and it is sold at a loss of 25%, then find its selling price.

- A ₹1,500
- B ₹1,000
- C ₹2,000
- D ₹3,500

**Answer: A**

55. The sum of the radius and the diameter of a solid sphere is 63 cm. What will be the volume of this sphere? [Use  $\pi = \frac{22}{7}$ ]

- A  $38808 \text{ cm}^3$
- B  $39206 \text{ cm}^3$



C  $34604 \text{ cm}^3$

D  $41244 \text{ cm}^3$

**Answer: A**

56. A person marks the price of his car 50% above the cost price. He gives a discount of B% and earns a profit of 10%. What is the approximate value of B?

A 26.27

B 29.67

C 21.33

D 24.33

**Answer: A**

57. The difference between the average of P and Q and the average of Q and R is 25. What will be the difference between P and R?

A 12.5

B 50

C 40

D 25

**Answer: B**

58. Robert bought an old bicycle for ₹1,250 and spent ₹250 on its repair. He sold it for ₹1,470. What is his loss percentage?

A 4%

B 1%

C 3%

D 2%

**Answer: D**

59. What is the simple interest on a principal of ₹16,000 for 3 years at the rate of 10% per annum?

A ₹6,400

B ₹4,800

C ₹5,600

D ₹5,200

**Answer: B**

60. What is the compound interest on ₹80,000 for 1 year at 10 per cent per annum, compounded half yearly?

- A ₹7,200
- B ₹8,200
- C ₹8,800
- D ₹7,000

**Answer:** B

61. In a job,  $L_1$ ,  $L_2$ , and  $L_3$  work for 3, 4 and 6 days, respectively. The ratio of the daily wages of  $L_1$ ,  $L_2$ , and  $L_3$  is 2: 3: 1, respectively. If they receive ₹2,400 as the total wages, then what is the share of  $L_1$ ?

- A ₹800
- B ₹1,600
- C ₹600
- D ₹1,200

**Answer:** C

62. Simplify the following expression.  
 $20 + 3 - 2 + (4 - 1)$

- A -120
- B 24
- C 120
- D 21

**Answer:** B

63. The ratio of the speed of a bus to that of a train is 15 : 27. Also, a car covers a distance of 720 km in 9 hours. The speed of the bus is tree-fourths of the speed of the car. How much distance will the train cover in 7 hours?

- A 760
- B 756
- C 784
- D 770

**Answer:** B



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64. Study the given table and answer the question that follows.  
The table shows the marks scored by five students in a surprise test.

Name of Student	Marks scored in surprise test
Himanshu	7
Ayushi	4
Yograj	2
Shabbir	5
Mili	10

If a student has to score 5 or more marks to pass the surprise test, then how many friends were NOT able to pass?

- A 4
- B 2
- C 1
- D 3

Answer: B

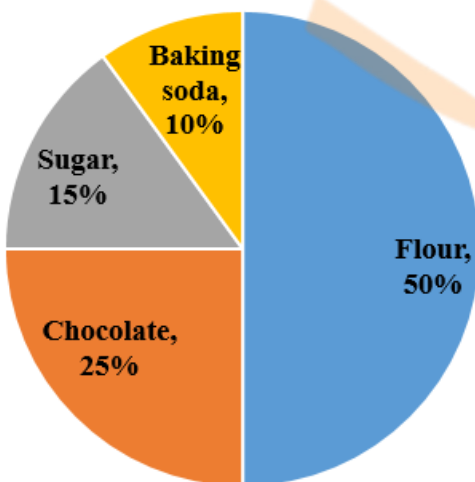
65. The average of 47 consecutive natural numbers is 99. What is the largest number among these numbers?

- A 122
- B 123
- C 121
- D 124

Answer: A

66. The following pie chart shows the respective shares of the ingredients needed to bake a cake.

**Ingredients needed to bake a cake**



If the cake weighs 2 kg, then how much baking soda was needed to bake the cake?

- A 900 g
- B 450 g
- C 100 g

D 200 g

Answer: D

67. The value of  $26.4 \times 12.5 + \sqrt{22^2 + 20 + 11^2} - 31$  is:

A 384

B 284

C 18

D 324

Answer: D

68. What will be the approximate average of all the prime numbers less than 15?

A 6.33

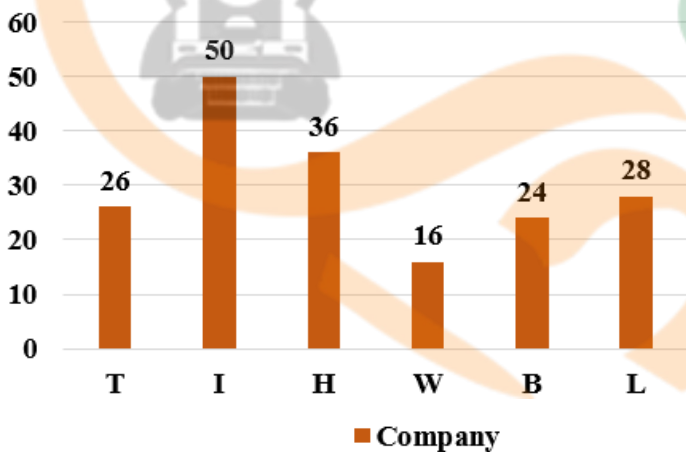
B 5.67

C 6.83

D 7.33

Answer: C

69. Study the given bar-graph and answer the question that follows. The bar-graph shows the number of students from a college who got placed in six companies in 2020.



If 60 students from the college did not get a job in any of these six companies, then what percentage of the students from this college were placed in H in 2020?

A 20%

B 12.5%

C 22%

D 15%

Answer: D

70. A sum of ₹15,250 is divided among Shrinza, Sheetal and Chirag such that Shrinza receives 40% more than Sheetal and Sheetal receives 40% less than Chirag. What is Chirag's share?

- A ₹6,000
- B ₹6,250
- C ₹7,250
- D ₹5,250

**Answer: B**

71. The ratio between the volumes of Sphere 1 and Sphere 2 is 27 : 64. Find the ratio of the surface areas of Sphere 1 and Sphere 2 .

- A 9 : 16
- B 16 : 9
- C 3 : 4
- D 41: 3

**Answer: A**

72. The product of the LCM and the HCF of two numbers is 2 16. The difference between the two numbers is 6. What are the numbers?

- A 9, 24
- B 6, 36
- C 12, 18
- D 8, 27

**Answer: C**

73. X and Y are two alloys of copper and aluminium prepared by mixing the metals in the ratio 6 : 5 and 5 : 9, respectively. If equal quantities of the alloys are melted to form a third alloy Z, what ratio of copper and aluminium will be in Z?

- A 154 : 163
- B 165 : 139
- C 139 : 154
- D 139 : 169

**Answer: D**

74. The height of a right circular cone is 24 cm. If the radius of its base is 7 cm, then what will be the curved surface area of this cone? [Use  $\pi = \frac{22}{7}$ ]

- A  $550 \text{ cm}^2$
- B  $630 \text{ cm}^2$
- C  $610 \text{ cm}^2$
- D  $590 \text{ cm}^2$

**Answer:** A

75. The ratio of the speeds of two scooters is 9 : 5. If the second scooter runs 75 km in 6 hours, then what is the speed (in km/h) of the first scooter?

- A 12.5
- B 22.5
- C 11.5
- D 10.5

**Answer:** B

### General Awareness

76. Who is the author of the book 'The Great Indian Novel'?

- A Arun Shourie
- B Shashi Tharoor
- C Kiran Bedi
- D K Natwar Singh

**Answer:** B

77. What is the chemical name of battery acid?

- A Sulfuric acid
- B Barium sulphate
- C Hypochlorous acid
- D Boric acid

**Answer:** A

78. Who took oath as Chief Minister of Uttar Pradesh for the second consecutive term in March 2022?

- A Harish Rawat
- B Yogi Adityanath

**C** Akhilesh Yadav

**D** Mohan Prakash

**Answer: B**

79. Harishena was a court poet of \_\_\_\_\_.

**A** Bindusara

**B** Samudragupta

**C** Bimbisara

**D** Ashoka

**Answer: B**

80. Which of the following separates Little Andaman from South Andaman of India?

**A** Amindivi Islands

**B** Duncan passage

**C** Reunion Hotspot

**D** Minicoy island

**Answer: B**

81. Amit wants to contest for Lok Sabha elections in India. What is the maximum limit of constituencies that he can contest?

**A** Infinite

**B** Two

**C** Three

**D** One

**Answer: B**

82. Which of the following Articles of the Indian Constitution states about the application of the Directive Principles

**A** 37

**B** 45

**C** 42

**D** 31

**Answer: A**

83. Which of the following is the largest stupa in India?

- A Kesariya
- B Dhamekh
- C Amaravati
- D Bharhut

**Answer:** A

84. Which of the following political parties led the Punjabi Suba movement in India?

- A Bharatiya Janata Party
- B Ghadar Party
- C Shiromani Akali Dal
- D Indian National Congress

**Answer:** C

85. Which player won the Man of the Series award for cricket test series on the Sri Lanka tour of India, 2022?

- A KL Rahul
- B Rishabh Pant
- C Shreyas Iyer
- D Rohit Sharma

**Answer:** B

86. With which musical instrument was Ali Akbar Khan associated?

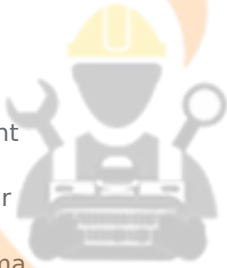
- A Sarangi
- B Manjira
- C Sarod
- D Veena

**Answer:** C

87. Which of the following acids is found in spinach?

- A Formic acid
- B Lactic acid
- C Citric acid
- D Oxalic acid

**Answer:** D



INDIA



88. Who among the following is the first Odissi dancer from Odisha to have received the 'Padma Vibhushan' in the year 2000?

- A Rukmini Devi Arundale
- B Kelucharan Mohapatra
- C Uday Shankar
- D Ileana Citaristi

**Answer: B**

89. As of March 2022, which of the following is the highest motorable pass in India?

- A Umling La
- B Chang-La
- C Lanak La
- D Khardung La

**Answer: D**

90. The Constitution (Scheduled Tribes) Order (Amendment) Bill, 2022, was introduced in Lok Sabha on 7 February 2022 by \_\_\_\_\_.

- A Arjun Munda
- B Ramesh Bidhuri
- C Amit Shah
- D Rajnath Singh

**Answer: A**

91. Which of the given statements is correct?

- I. When Alivardi Khan died in 1756, Siraj-ud-daulah became the nawab of Bengal.
- II. In 1757, Robert Clive led the company's army against Siraj-ud-daulah at Plassey

- A Only II
- B Neither I nor II
- C Only I
- D Both I and II

**Answer: D**

92. Before being replaced by NITI Aayog, which organisation was responsible for collecting data about unemployment using Lakdawala Formula?

- A Pay Commission
- B Finance Commission
- C Labour Commission
- D Planning Commission

**Answer:** D

93. Hojagiri is a folk dance of which state of India?

- A Goa
- B Karnataka
- C Tripura
- D Uttar Pradesh

**Answer:** C

94. The headquarters of the Eastern Railway Zone is located at \_\_\_\_\_.

- A Kolkata
- B Bhubaneswar
- C Patna
- D Durgapur

**Answer:** A

95. According to the 2011 Census of India, which state is the least populous state in the country?

- A Jharkhand
- B Sikkim
- C Assam
- D Bihar

**Answer:** B

96. Mahavir Jayanti is celebrated in the month of \_\_\_\_\_.

- A May
- B April
- C September
- D December

**Answer:** B



INDIA

97. Which of the following is an Indian martial art that originated in modern-day Kerala?

- A Kalaripayattu
- B Muay Thai
- C Karate
- D Gatka

**Answer: A**

98. Raziya Sultan was the daughter of \_\_\_\_\_.

- A Babur
- B Qutubuddin Aibak
- C Iltutmish
- D Akbar

**Answer: C**

99. \_\_\_\_\_ was established in 1948 with 23 countries as a global trade organisation to administer all multilateral trade agreements.

- A World Trade Organization
- B International Reciprocal Trade Association
- C General Agreement on Tariffs and Trade
- D World Chamber of Commerce

**Answer: C**

100. \_\_\_\_\_ is a technique in which cancer cells are damaged with radiations, while limiting the harm to nearby healthy tissue.

- A Radiotherapy
- B Physiotherapy
- C Surgery
- D Chemotherapy

**Answer: A**



**INDIA**