

# SSC MTS 14th July 2022 Shift-2

## English Language

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

John ran pretty fast, \_\_\_\_\_ he did not win the race.

- A so
- B though
- C for
- D and

**Answer:** B

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

Out of the blue

- A Found commonly
- B Act cleverly
- C Completely unexpectedly
- D Go away secretly

**Answer:** C

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

An iron hand

- A Alone, without assistance
- B Strict control
- C Memorising lessons
- D Straight talk

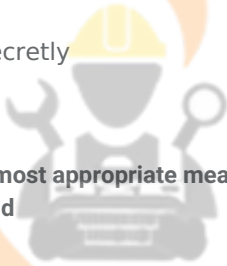
**Answer:** B

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

I like to read the newspaper \_\_\_\_\_ the morning.

- A by
- B on
- C at
- D in

**Answer:** D



INDIA

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

Garnish the drink with cranberries or a slice of fresh peach.

- A Embellish
- B Wend
- C Blemish
- D Dismantle

**Answer:** A

6. Select the option that rectifies the incorrectly spelt words in the given sentence.

Go, rest in the dark shadowe of the graet forest.

- A Go, rest in the dark shadow of the great forest.
- B Go, rest in the dark shadow of the grate forest.
- C Go, rest in the dark shaddow of the great forest.
- D Go, rest in the dark shadowe of the great forest.

**Answer:** A

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

He have not been in the right mental state since 2017.

- A were not being in
- B has not been in
- C have been not at
- D No improvement required

**Answer:** B

8. 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.

Scientists have made dramatic progress in understanding an universe and the mechanisms of biology.

- A Scientists have made dramatic progress
- B and the mechanisms of biology
- C in understanding an universe
- D No error

**Answer:** C

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

We are planning to go to Delhi \_\_\_\_\_ train.

- A on
- B by
- C of
- D at

**Answer: B**

10. Select the option that can be used as a one-word substitute for the given group of words.  
Killing one self

- A Regicide
- B Suicide
- C Homicide
- D Matricide

**Answer: B**

11. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.  
Once upon a time there was a very rich man which lived with his three daughters.

- A who live by
- B No improvement required
- C who lived with
- D who did lived with

**Answer: C**

12. 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.  
Despite the pain in his leg, / Nicholas completed / the marathon.

- A No error
- B Nicholas completed
- C the marathon
- D Despite the pain in his leg,

**Answer: A**

13. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.  
Subhash had just returned from work in 9 p.m.

- A work at

- B the work on
- C working in
- D No improvement required

**Answer:** A

14. Select the most appropriate ANTONYM of the given word.  
Insecure

- A Suspicious
- B Anxious
- C Massive
- D Confident

**Answer:** D

15. Select the most appropriate ANTONYM of the underlined word in the given sentence.  
She remained resolute in her belief.

- A inflexible
- B sluggish
- C barbaric
- D wavering

**Answer:** D

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

The merchant distributes work among the weavers based on the orders received.

- A for weavers
- B No improvement required
- C towards the weavers
- D at the weavers

**Answer:** B

17. Select the correctly spelt word.

- A Fracsion
- B Frcation
- C Fraction
- D Fractition

**Answer:** C



INDIA

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

Uncanny

- A Deranged
- B Spooky
- C Reckless
- D Insightful

**Answer:** B

19. 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.

This pandemic have / profoundly changed our / way of living.

- A No error
- B This pandemic have
- C profoundly changed our
- D way of living

**Answer:** B

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

Brashness

- A Intelligence
- B Nerve
- C Timidity
- D Boldness

**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.

All plants and animals need water to survive. There can be no life (1) \_\_\_\_\_ earth without water. Why is water (2) \_\_\_\_\_ important? It is (3) \_\_\_\_\_ 60 percent of our body weight is made up of water. Our bodies use water in all the cells, organs, and tissues, to help (4) \_\_\_\_\_ body temperature and (5) \_\_\_\_\_ other bodily functions.

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

- A at
- B on

C into

D upon

**Answer: B**

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

A so

B as

C few

D much

**Answer: A**

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

A therefore

B That

C Because

D so that

**Answer: C**

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

A quantify

B collect

C grate

D regulate

**Answer: D**

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

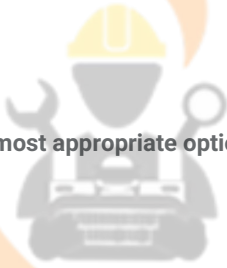
A subjugate

B obtain

C release

D maintain

**Answer: D**



INDIA

## General Intelligence and Reasoning

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

$$14 + 7 \div 729 \times 81 - 9 = 500$$

- A 81 and 9,  $\div$  and  $\times$
- B 14 and 9, - and  $\times$
- C 7 and 729, + and -
- D 81 and 7, + and  $\times$

**Answer:** A

27. Six people, Ankita, Babita, Sheela, Damini, Pinky, and Kamini are sitting in two parallel rows. Three of them are facing north and the other three are facing south. Ankita is facing south. Kamini is sitting on the immediate right of Sheela. Sheela is facing towards Damini. Ankita does not sit at any of the extreme ends. Pinky is facing in the same direction as Kamini. Who is sitting to the left of Ankita?

- A Pinky
- B Sheela
- C Babita
- D Kamini

**Answer:** C

28. Which two numbers should be interchanged to make the given equation correct?

$$35 + 3 \div 3 - 5 + 1 = 40$$

- A 40 and 35
- B 1 and 5
- C 1 and 35
- D 35 and 5

**Answer:** B

29. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, Even if it differs from what is commonly known, decide which of the given conclusions is/are logically follows the statements.

**Statement I:** Most of the engineering students are adults.

**Statement II:** Harsh is an adult person.

**Conclusion I:** Harsh is an engineering student.

**Conclusion II:** Some engineering are not adult.

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

**Answer: C**

30. Select the number from among the given options that can replace the question mark (?) in the following series.  
96, 144, ?, 240, 288

- A 210
- B 192
- C 188
- D 224

**Answer: B**

31. 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.  
SAM : UES :: RAT : TEZ :: LOI : ?

- A NSO
- B NTO
- C NUO
- D NSP

**Answer: A**

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.

**Statements**

Some remotes are batteries.

All batteries are chargers.

No charger is a cable.

**Conclusions:**

I) Some remotes are cables.

II) Some batteries are cable.

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

**Answer: A**

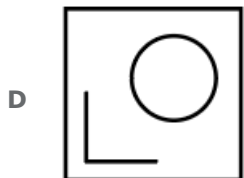
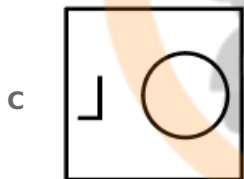
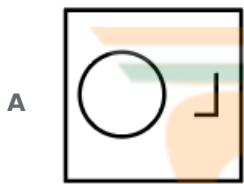
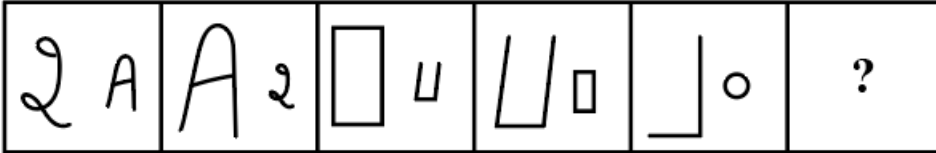
33. The seven people H, I, J, K, L, M, and N are arranged in ascending order according to their heights in a row. The one with the shortest height stands at the first position, and the one with the tallest height stands at the end of the row. H is standing immediately behind L, who is standing immediately behind K. Only two people stand between M and N. I is standing second from the front. M is not the shortest. who is standing at first place in the row?



- A K
- B N
- C J
- D L

**Answer: B**

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



**Answer: A**

35. In a certain code language, 'PAIDY' is written as 'NYGBW', and 'FORST' is written as 'DMPQR'. How will 'HARKG' be written in that language?

- A FYPJE
- B FYPIE
- C FYQTE
- D FXQIE

**Answer: B**

36. In a certain code language, 'AGC' is coded as '42', and 'BAD' is coded as '16'. How will 'KIC' be coded in that language?

- A 297
- B 562
- C 594
- D 542

**Answer: C**

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



A



B



C

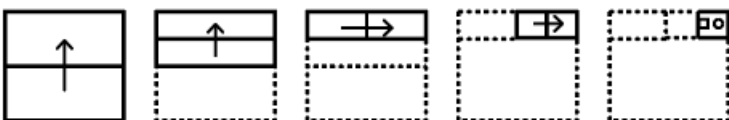


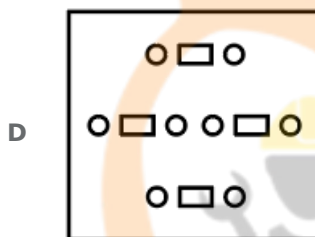
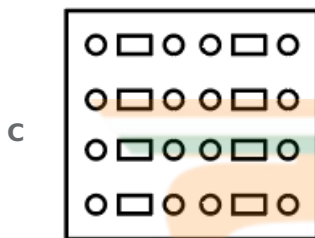
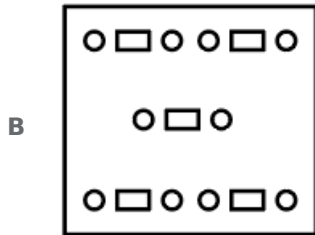
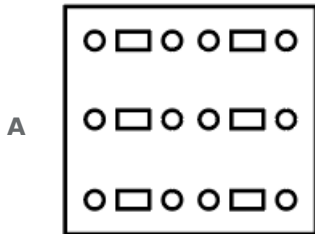
D



**Answer: A**

38. 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

39. Select the letter-cluster that can replace the question mark (?) in the following series.  
RAB, SZD, TYF, UXH, ?

- A VWJ
- B VWK
- C WVJ
- D VVJ

Answer: A

40. 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.

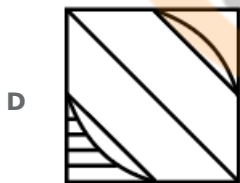
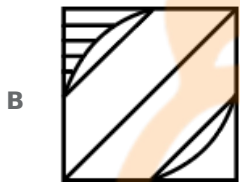
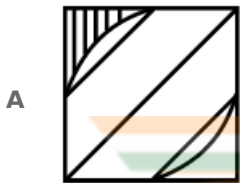
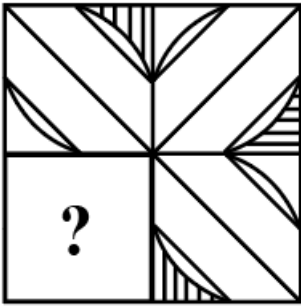
COMPUTER : EOPWTGR :: SHOWER : UHQWGR :: NEEDLE : ?

- A NGEFLG
- B NGEFLE
- C PEDGNE

D PEGDNE

Answer: D

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



Answer: B

42. Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
(11, 22, 44) (15, 12, 42)

A (3, 3, 15)

B (21, 42, 63)

C (12, 24, 39)

D (18, 8, 44)

Answer: D

43. Select the option which is related to fifth number in the same way as second number is related to first number and fourth number is related to third number.  
 (Note: Numbers must be operated on whole numbers, without dividing them into their constituent digits. For example on 13 - 13 arithmetic operations like addition/subtraction/multiplication etc. can be done in 13. Dividing 13 into 1 and 3 and then doing arithmetic operations on 1 and 3 is not allowed.)

$$20 : 30 :: 42 : 56 :: 72 : ?$$

- A 96
- B 84
- C 82
- D 90

Answer: D

44. In a certain code language, 'J' is written as '10' and 'ACT' is written as '24'. How will 'BEAR' be written in that language?

- A 25
- B 27
- C 24
- D 26

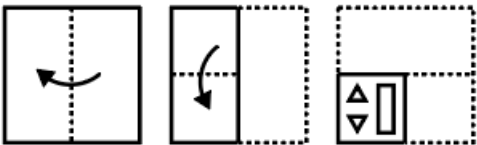
Answer: D

45. In a certain code language, if orange is called apple, apple is called grapes, grapes is called watermelon, watermelon is called chikoo, and chikoo is called orange, then which of the following is orange in color?

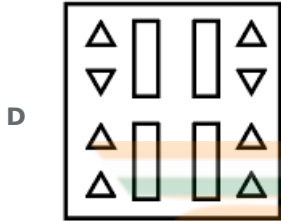
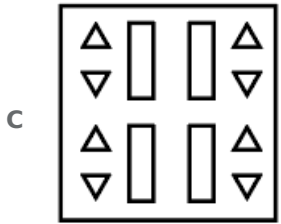
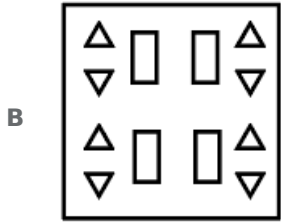
- A grapes
- B apple
- C orange
- D watermelon

Answer: B

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?

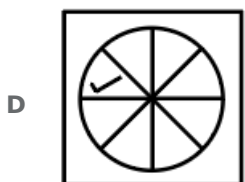
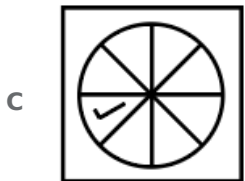
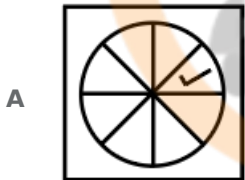
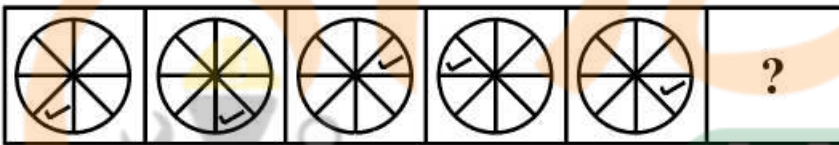


- A
-



Answer: C

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



Answer: C

48. 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.

(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)

7854 : 5632 :: 8424 : 6202 :: 4444 : ?

A 2222

B 1424

C 1242

D 2424

**Answer: A**

49. 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.

PG : DM :: GO : ?

A ME

B LD

C EM

D DL

**Answer: B**

50. V, W, X, Y and Z are five men sitting in a line facing the South - while M, N, O, P and Q are five ladies sitting in a second line parallel to the first line and are facing the North. W who is immediate next to the left of Y, is opposite Q. X and N are diagonally opposite to each other. Z is opposite to O who is immediate next to the right of M. P who is to the immediate left of Q, is opposite to Y. M is at one end of the line. Who is sitting opposite to N?

A W

B Y

C X

D V

**Answer: D**

## Numerical Aptitude

51. The incomes of Ramesh and Suresh are in the ratio of 5 : 7, and their expenditures are in the ratio of 1 : 2. If each of them saves ₹15,000, then what is Suresh's income?

A ₹25,000

B 35,000

C 45,000

D 15,000

**Answer:** B

52. An 800-metre long train crosses a stationary pole in 15 seconds. What is the speed of the train?

A 192 km/h

B 156 km/h

C 174 km/h

D 210 km/h

**Answer:** A

53. A shopkeeper earns a profit of 16% if he allows a discount of 20% on the marked price of an article. What will be the profit per cent earned by the shopkeeper if he sold the article at its marked price?

A 45%

B 35%

C 36%

D 55%

**Answer:** A

54. The average of eight consecutive odd numbers is 16. If the immediately preceded of the smallest odd number from the given eight odd numbers is also included, then what will be the new average?

A 15

B 14

C 9

D 13

**Answer:** A

55. If  $P : Q = 2 : 7$  then what is the value of  $(Q - P) : (Q + P)$

A 2 : 3

B 5 : 9

C 6 : 7

D 5 : 6

**Answer:** B



56. The following table shows the number of males and the number of females in three different housing societies in a city.

Society Name	Male	Female
Society X	180	112
Society Y	210	240
Society Z	110	208

What is the difference between the total number of females and the total number of males in all the three societies taken together?

- A 50
- B 58
- C 60
- D 48

**Answer:** C

57. The volume of a cuboid is  $3600 \text{ cm}^3$ . If the length and the breadth of the cuboid are 20 cm and 12 cm, respectively, then what is the height of this cuboid?

- A 18 cm
- B 14 cm
- C 16 cm
- D 15 cm

**Answer:** D

58. The salary of Prakash was ₹75,000. If he gets an increment of 8%, then what will be his new salary?

- A ₹81,000
- B ₹80,000
- C ₹1,08,000
- D ₹77,000

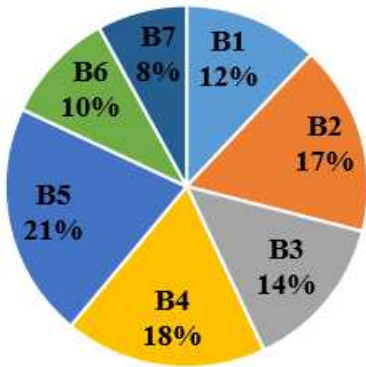
**Answer:** A

59. What is the greatest number which divides each of 150, 270 and 180 exactly?

- A 50
- B 30
- C 10
- D 3

**Answer:** B

60. The following pie chart shows the amount of loan given by each of seven different banks as a percentage of the total loan given by these 7 banks taken together.



What will be the angle made by the sector B2?

- A 64.2°
- B 58.2°
- C 61.2°
- D 67.2°

Answer: C

61. 8 men can make 12 chairs in 12 days if they work for 6 hours a day. If 9 chairs are to be made by 12 men in 6 days, then how many hours a day does each one of them need to work?

- A 7.5 hours
- B 6 hours
- C 5.5 hours
- D 7 hours

Answer: B

62. What will be the compound interest on a sum of ₹4,50,000 at the rate of 10% per annum in 2 years, if interest is compounded annually?

- A ₹50,500
- B ₹94,500
- C ₹54,450
- D ₹85,450

Answer: B

63. The total surface area of a closed hemisphere is  $16632 \text{ cm}^3$ . What is the sum of the radius and the diameter of this hemisphere? [Use  $\pi = \frac{22}{7}$ ]

- A 172 cm

- B 168 cm
- C 126 cm
- D 154 cm

**Answer: C**

64. In university exams where the total maximum marks were 500, Mohit gets 20% more than Surendra, Surendra gets 20% more than Lalit, and Lalit gets 15% less than Darshan. If Mohit gets 366 marks, what percentage of the full marks does Darshan get? [Give your answer correct to 2 decimal places.]

- A 82.50%
- B 59.80%
- C 58.02%
- D 80.50%

**Answer: B**

65. A 36 cm long, 22 cm broad, and 49 cm high cuboid is melted and moulded into a solid sphere. What will be the radius of this sphere? [Use  $\pi = \frac{22}{7}$ ]

- A 21 cm
- B 7 cm
- C 49 cm
- D 22 cm

**Answer: A**

66. Rahul and Shyam, working together, can do a piece of work in 5 hours; Rahul alone can do the same work in 15 hours. How much time will Shyam alone take to do that work?

- A 12 hours
- B 8.5 hours
- C 7.5 hours
- D 15 hours

**Answer: C**

67. Abhishek climbs up a hill at a speed of 3 mi/h and comes down at a speed of 5 mi/h. If the total time taken for the two-way journey is 10 hours, then what is the distance between the hilltop and the foothil?

- A 20.75 mi
- B 18.75 mi

C 11.25 mi

D 37.5 mi

**Answer: B**

68. What is the value of  $\frac{17+8\div 4\times 3}{18+4\div 2\times 5}$

A  $\frac{25}{26}$

B  $\frac{23}{28}$

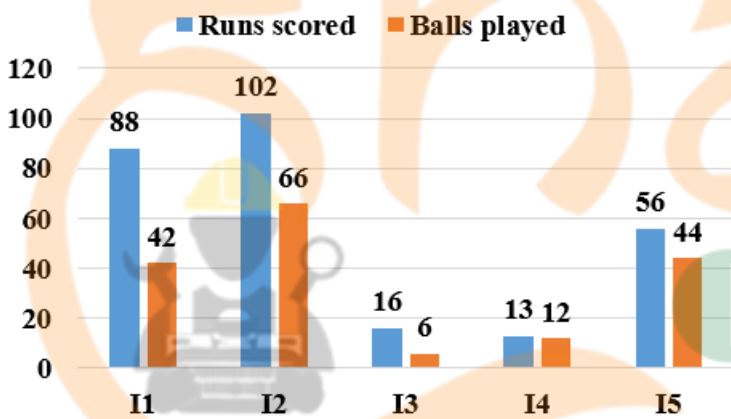
C  $\frac{33}{26}$

D  $\frac{35}{41}$

**Answer: B**

69. The following bar chart shows the runs scored and the balls played by a batsman in 5 different innings

$$\text{Strikerate} = \frac{\text{Runs scored}}{\text{Balls played}} \times 100$$



What is the difference between the strike rates of I2 and I5? [Give your answer correct to 2 decimal places.]

A 21.21

B 24.24

C 33.33

D 27.27

**Answer: D**

70.  $\frac{1}{4}$  of 4 kg of an alloy is lead and the rest of it is tin.  $\frac{1}{6}$  of 5 kg of another alloy is lead and the rest of it is tin. Find the ratio of lead and tin in the mixture of the given quantities of these two alloys.

A 4 : 9

B 2 : 3

C 17 : 37

D 13 : 17

**Answer: C**

71. Simple interest on a certain sum is  $\frac{54}{75}$  of the sum. What is the rate of interest per annum if the value of the rate of interest per annum is half the time period (in years) of investment?

- A 6.5%
- B 6%
- C 7.5%
- D 7%

**Answer: B**

72. The average of 10 numbers is 37. If each number is decreased by 2, what will be the new average?

- A 37
- B 35
- C 39
- D 32

**Answer: B**

73. The cost price of a watch is ₹,800. A shopkeeper sells it at a gain of 3.75%. What is the selling price of the watch?

- A ₹2,885
- B ₹2,905
- C ₹2,925
- D ₹2,875

**Answer: B**

74. 60% of the cost price of a glass is 25% of its selling price. What is the profit percentage?

- A 120%
- B 180%
- C 95%
- D 140%

**Answer: D**

75. If  $A = \frac{4 \div 8 \times 2}{3 + 14 \div 7}$  and  $B = \frac{6 \div 2 - 4}{5 \div 15 \times 6}$ , then what is the value of  $A - B$ ?

- A  $\frac{2}{3}$
- B  $\frac{4}{5}$
- C  $\frac{7}{7}$

C  $\frac{7}{10}$

D  $\frac{1}{2}$

**Answer: C**

## General Awareness

76. Who among the following won the Formula One 2022 Saudi Arabian Grand Prix?

A Max Verstappen

B Charles Leclerc

C Sebastian Vettel

D Lewis Hamilton

**Answer: A**

77. Which of the following awards has been conferred upon Kailash Kher?

A Padma Bhushan

B Bharat Ratna

C Padma Shri

D Padma Vibhushan

**Answer: C**

78. When tax collection exceeds the required expenditure, the budget is said to be in \_\_\_\_\_

A deficit

B surplus

C economic spread

D balance

**Answer: B**

79. Lactic acid is commonly found in \_\_\_\_\_.

A tomatoes

B milk

C vinegar

D cumin

**Answer: B**

80. Which of the following fundamental rights deals with 'Protection of Interests of Minorities'?

- A Right to Equality
- B Educational and Cultural Rights
- C Right to Freedom
- D Right Against Exploitation

**Answer:** B

81. Which Act passed by British Government of India abolished the Council of India?

- A Indian Independence Act of 1947
- B India Council Act of 1892
- C Government of India Act of 1935
- D Charter Act of 1853

**Answer:** C

82. As per Thermodynamics, \_\_\_\_\_ system cannot exchange both energy and mass with its surroundings.

- A artificial
- B isolated
- C open
- D closed

**Answer:** B

83. According to the data from the economic think-tank, the Centre for Monitoring Indian Economy (CMIE), which of the following states witnessed the lowest unemployment rate as of January 2022?

- A Telangana
- B Andhra Pradesh
- C Kerala
- D Haryana

**Answer:** A

84. At which place in India does the Yamuna river confluence with the Gange river?

- A Prayagraj

- B** Lucknow
- C** Varanasi
- D** Sitapur

**Answer: A**

85. According to the Indian Constitution, how long is the term of the members of the State Legislative Council in India?

- A** 10 years
- B** 3 years
- C** 4 years
- D** 6 years

**Answer: D**

86. Head count ratio is used to measure \_\_\_\_\_.

- A** Agriculture based population
- B** Literacy rate
- C** International Migration
- D** Poverty

**Answer: D**

87. Which of the following animals is warm blooded?

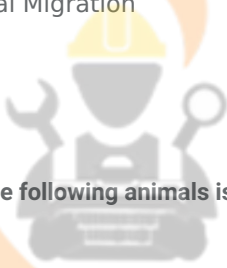
- A** Butterfly
- B** pigeon
- C** Frog
- D** Cat

**Answer: D**

88. Baishagu festival is associated with the state of \_\_\_\_\_ in India.

- A** Assam
- B** Arunachal Pradesh
- C** Bihar
- D** Manipur

**Answer: A**



**INDIA**



89. Raut nacha is performed by mostly tribals of a state of India. Which of the following states is it?

- A Karnataka
- B Chhattisgarh
- C Meghalaya
- D Bihar

**Answer: B**

90. The Appropriation Bill, 2022, was introduced in the Lok Sabha on 24 March 2022 by the Ministry of \_\_\_\_\_.

- A Tribal Affairs
- B Foreign
- C Finance
- D Home

**Answer: C**

91. Who among the following Indian choreographers won the World Choreography Award 2020 and was also nominated for the Emmy Awards?

- A Prabhu Deva
- B Pandit Birju Maharaj
- C Saroj Khan
- D Suresh Mukund

**Answer: D**

92. Who wrote the song 'Vande Mataram'?

- A Bhagat Singh
- B Bal Gangadhar Tilak
- C Mahatma Gandhi
- D Bankim Chandra Chatterjee

**Answer: D**

93. Who among the following actresses received the TIME 100 Impact Awards 2022?

- A Deepika Padukone
- B Kajal Aggarwal
- C Priyanka Chopra



**D** Vidya Balan

**Answer:** A

94. Inamgaon, an important Archaeological site is situated on \_\_\_\_\_ river.

**A** Indrayani

**B** Ulhas

**C** Ghod

**D** Kukadi

**Answer:** C

95. What is the height of the goal-post according to FIFA?

**A** 6 foot

**B** 8 foot

**C** 10 foot

**D** 12 foot

**Answer:** B

96. Who wrote the book 'The Legend of Lakshmi Prasad'?

**A** Twinkle Khanna

**B** Karishma Kapoor

**C** Kajol

**D** Raveena Tandon

**Answer:** A

97. \_\_\_\_\_ is also known as industrial agriculture.

**A** Intensive farming

**B** Plantation agriculture

**C** Subsistence farming

**D** Shifting agriculture

**Answer:** A



98. \_\_\_\_\_ has often been called the incubator of Western civilisation.

- A Red Sea
- B Caspian Sea
- C Mediterranean Sea
- D Black Sea

**Answer: C**

99. \_\_\_\_\_ was the capital of Chalukya dynasty.

- A Badami
- B Kanchipuram
- C Pataliputra
- D Rajgir

**Answer: A**

100. Bharhut Stupa depict the Jataka tales and stories. It is located in which of the following states?

- A Bihar
- B Madhya Pradesh
- C Andhra Pradesh
- D Uttar Pradesh

**Answer: B**



**INDIA**