

SSC MTS 5th July 2022 Shift-1

English Language

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

Banning food and beverages is not desirable nor feasible in a civilized society.

- A none
- B neither
- C nor
- D No improvement required

Answer: B

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

Many families are so poor to bear the cost of educating all their children.

- A to poor
- B such poor
- C No improvement required
- D too poor

Answer: D

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

The plan is to demolish the kitchen area and build a new room.

- A forge
- B refurbish
- C raze
- D curtail

Answer: C

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

A group of guns or missile launchers operated together at one place

- A Battery
- B Cemetery
- C Skittery
- D Psaltery

Answer: A

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

My teacher asked me to keep _____.

- A quiet
- B quite
- C quaint
- D quit

Answer: A

6. Select the INCORRECTLY spelt word.

- A Pigeon
- B Perterb
- C Perceive
- D Passive

Answer: B

7. Select the most appropriate ANTONYM of the bracketed word in the given sentence.

It is irrelevance, at least to me, whether the grant was (improvident) or no.

- A hungry
- B thrifty
- C tardy
- D cautious

Answer: B

8. Select the most appropriate ANTONYM of the underlined word.

The more enlightened employers offer better terms.

- A Reasonable
- B Civilised
- C Confounded
- D Educated

Answer: C

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

One's cup of tea

- A One's general principle

- B** One's perception about someone
- C** One's chosen or preferred thing
- D** One's hard-earned money

Answer: C

10. **Select the option that corrects the misspelt words in the given sentence.**
Surely, he now has earned the repsect 'mastr'.

- A** Surly, he now has earned the repsect 'masterr'.
- B** Surely, he now has earned the repsect 'masteer'.
- C** Surely, he now has earned the respect 'master'.
- D** Surly, he now has earned the respect 'muster'.

Answer: C

11. **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
Scientists believe / that many animals have / a unique languages / of their own.

- A** that many animals have
- B** Scientists believe
- C** a unique languages
- D** of their own

Answer: C

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

The water at her place was cool and had a metallic taste.

- A** No improvement required
- B** was coolest and has
- C** was cooling and have
- D** were cool and have

Answer: A

13. **Select the most appropriate option to fill in the blank.**
He claims to be the _____ kid in the school.

- A** smartness
- B** smarting
- C** smarter

D smartest

Answer: D

14. Select the most appropriate synonym of the given word.
Hasty

A Laidback

B Locked

C Expeditious

D Restricted

Answer: C

15. Select the most appropriate ANTONYM of the given word.
Perilous

A Unstable

B Verbose

C cruel

D Safe

Answer: D

16. Select the most appropriate meaning of the given idiom.
Chew the scenery

A To act overly emotional

B To beautify

C To mismanage

D To understate

Answer: A

17. Select the option that can be used as a one-word substitute for the given group of words.
A book that contains information on various subjects

A Thesaurus

B Dictionary

C Encyclopaedia

D Manuscript

Answer: C



INDIA

18. Select the option that can be used as a one-word substitute for the given group of words.
A thing or substance that is liable to catch fire easily

- A Inflammable
- B Extinguishable
- C Inaudible
- D Incombustible

Answer: A

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.

The reduced air pressure on airline flights can lessen the amount of oxygen in passengers' blood for twenty-five percent.

- A can lessen the amount of oxygen
- B The reduced air pressure on airline flights
- C No error
- D in passengers' blood for twenty-five percent

Answer: D

20. 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.

When you are under significant stress, it is hardly to process details and nuances.

- A significant stress, it is hardly
- B No error
- C When you are under
- D to process details and nuances

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.

Deforestation in tropical regions can (1) _____ the way water vapour is produced over the canopy, (2) _____ causes reduced rainfall. A 2019 study published in the journal Ecohydrology showed that parts of the Amazon rainforest that (3) _____ converted to agricultural land (4) _____ higher soil and air temperatures, which could (5) _____ drought conditions.

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

- A effect
- B attack
- C affect

D hold

Answer: C

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

A who

B which

C where

D whom

Answer: B

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

A is

B was

C were

D has

Answer: C

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

A had

B was

C has

D did

Answer: A

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

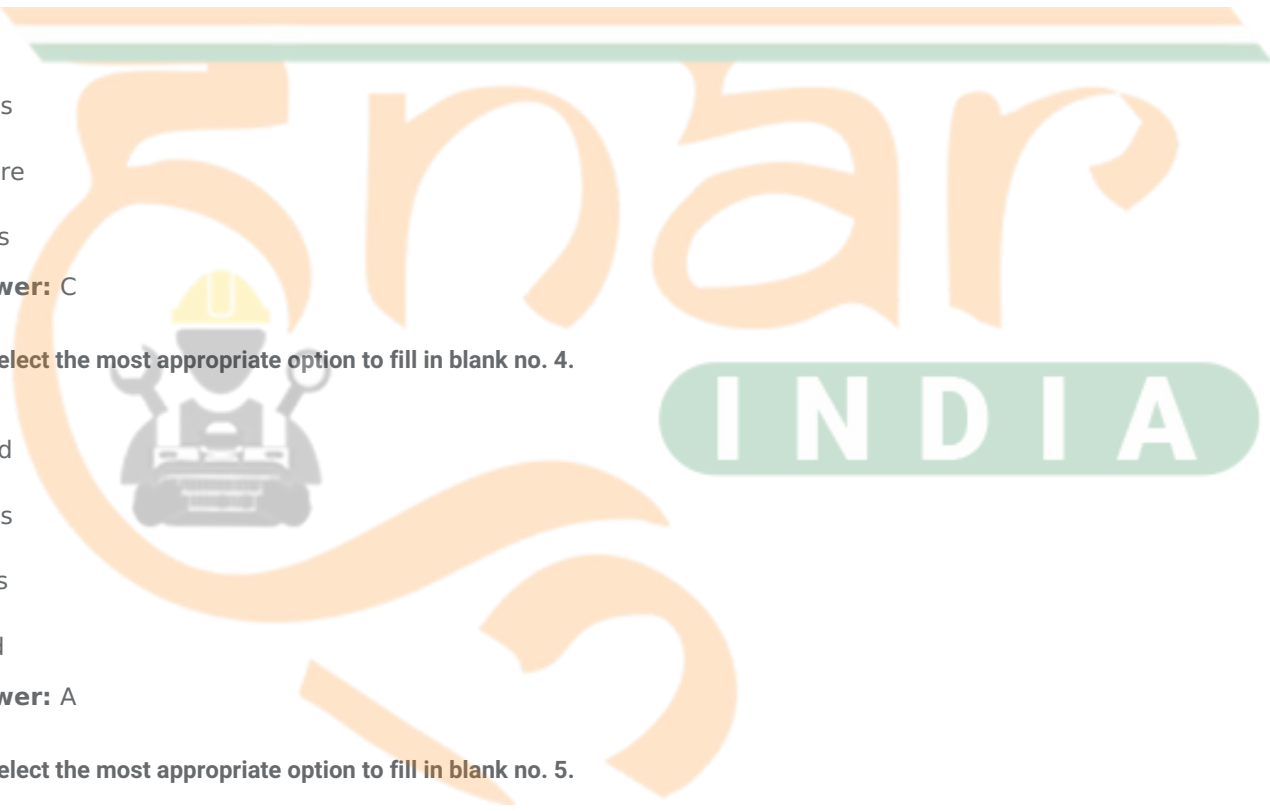
A provoke

B purify

C aggravate

D inflame

Answer: C



General Intelligence and Reasoning

26. Seven athletes A, B, C, D, E, F and G participate in a race. E is ahead of A but behind F. D is ahead of only two athlete. G is running last. C is running behind only two athlete. F is not the first. Which athlete is running in the fourth position from behind?

- A C
- B D
- C E
- D A

Answer: C

27. Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.

TY6L452

M  N

- A JΛϑΓ†2Z
- B JΛϑΓ†25
- C JΛϑΓ†55
- D JΛ9T†25

Answer: B

28. Select the number from among the given options that can replace the question mark (?) in the following series.
17, 25, 34, 44, 55, ?

- A 69
- B 68
- C 67
- D 66

Answer: C

29. In a certain code language, 'RESTRICT' is written as 'CTRISTRE', 'STARTING' is written as 'NGTIARST' and 'MOUNTAIN' is written as 'INTAUNMO'. What is the code for the word 'ENVELOPE' in that code language?

- A PELOVEEN
- B EPOLEVNE
- C ELOOEENP
- D PEELOVEN

Answer: A

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

T	C	=	S	C	□	S	+	□	O	
x			T	=		C		S		?
S	=	□	C	+	S	O	□	☆	+	

A

Y	☆
△	
□	O

B

△	☆
□	
Y	O

C

x	☆
□	
Y	O

D

+	☆
□	
Y	O

Answer: D

31. Select the option in which the numbers are related in the same way as are the numbers in the given sets.

(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)

(12, 8, 16)
(22, 10, 144)

A (16, 10, 24)

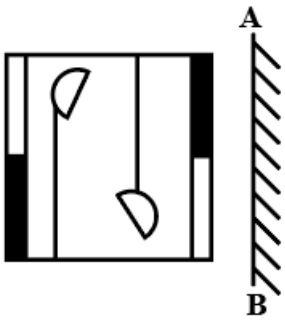
B (18, 8, 100)

C (28, 20, 36)

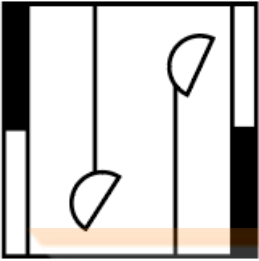
D (24, 12, 121)

Answer: B

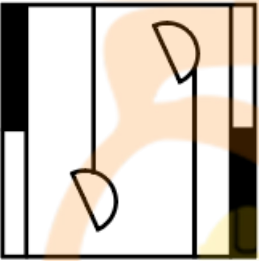
32. Select the correct mirror image of the given figure when the mirror is placed at the right side.



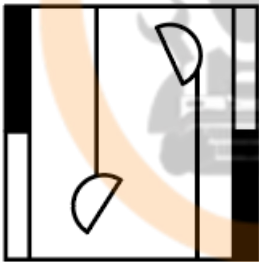
A



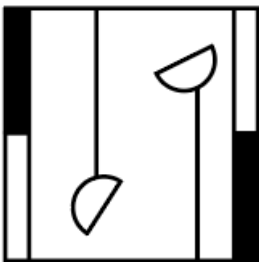
B



C

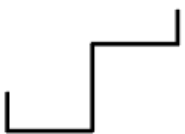


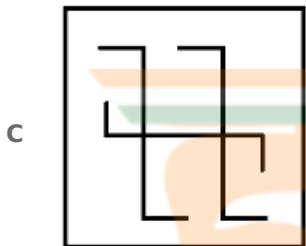
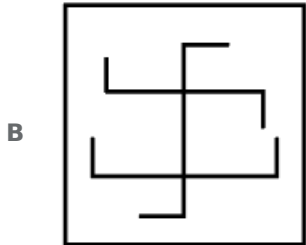
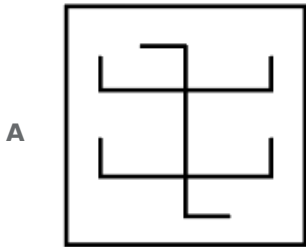
D



Answer: C

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





Answer: A

34. 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.

I4D : G9F :: L16S : J25U :: W64R : ?

A U81T

B S49T

C U49T

D T81U

Answer: A

35. 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 : VM :: AB : ?

A GH

B HI

C FG

D FH

Answer: A

36. By interchanging the given two numbers (not digits), which of the following equations will be correct?
44 and 19
- I. $203 + 44 - 27 \times 19 \div 11 = 114$
 - II. $9 \times 572 \div 19 - 44 + 4 = 120$

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

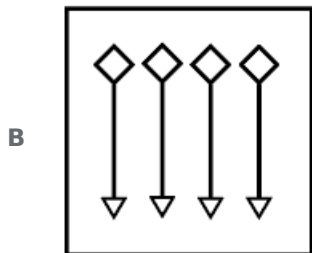
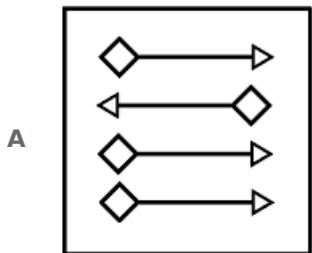
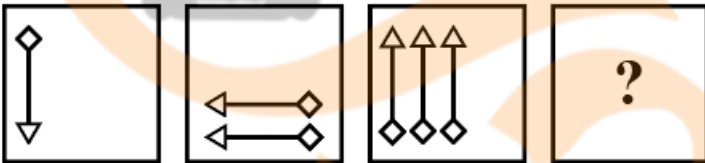
Answer: C

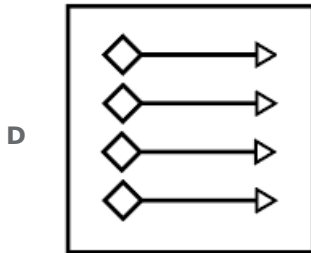
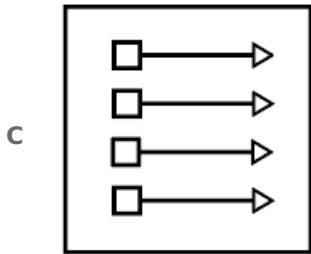
37. Select the option that is related to the sixth number in the same way as the first number is related to the second number and the third number is related to the fourth number.
 $144 : 225 :: 169 : 256 :: ? : 361$

- A 196
- B 324
- C 256
- D 144

Answer: C

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





Answer: D

39. Four males P1, P2, P3 and P4 are sitting in a row facing towards the North (not necessarily in the same order) and four females A1, A2, A3 and A4 are sitting in a row facing towards the face of these males (not necessarily in the same order). P1 and P4 sit at the ends. A3 and P2 are facing each other. A4 is second to the left of A3. P4 is facing A1. A1 and A4 are at the ends.

Which of the following statements is correct?

I. A4 is facing P1.

II. P4 is second to the left of that male who is facing A2.

A Both I and II

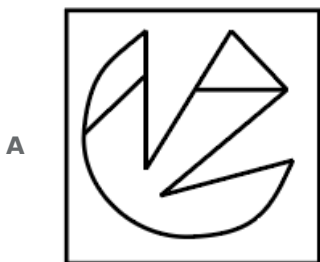
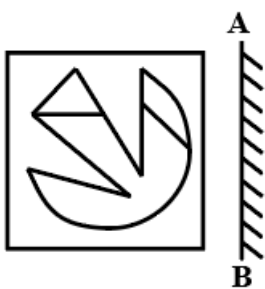
B Only II

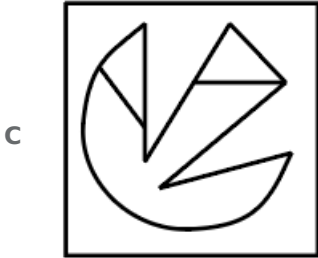
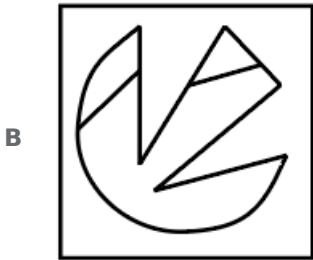
C Only I

D Neither I nor II

Answer: A

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





Answer: A

41. In a certain code language, 'COBBLESTONES' is written as 'BBOCTSELSENO', and 'SATISFACTORY' is written as 'ITASCAFSYROT'. How will 'TACHYCARDIAS' be written in that code language?

- A** HCATCARSAIDY
- B** HACTRACYSAID
- C** YHCATCARSAID
- D** HCATRACYSAID

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.

TRACK : IAYPR :: ?

- A** POLDY : WBJQN
- B** STRAW : UYPRQ
- C** GAMES : UGOCE
- D** PROUD : NPMSB

Answer: B

43. In a certain code language, 'FAINT' is coded as '2014916', and 'GRME' is coded as '513187'. How will 'POIL' be coded in that language?

- A 1219516
- B 1291561
- C 1295116
- D 1291516

Answer: D

44. After interchanging the given two numbers, what will be the value of the given expression?
20 and 10

$$10 + 30 - 5 \times 20 \div 2$$

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

Answer: D

45. Select the numbers from among the given options that can replace the question marks (?) in the following series.
8, 9, 5, 16, 27, 25, 32, 81, 125, ?, 243, ?

- A 64, 375
- B 325, 64
- C 64, 625
- D 375, 64

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.

Statements:

All sweets are food.

All food are healthy.

Conclusions:

I) All sweets are healthy.

II) Some healthy are sweets.

- 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: B

47. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
GF, KI, OL, SO, ?

- A XR
- B YS
- C WR
- D WS

Answer: C

48. 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. Some X are M.

II. All W are X.

Conclusions:

I. Some M are not W.

II. No W is M.

III. Some M are not X.

- A Only conclusion III follows
- B Only conclusions II and III follow
- C None of the conclusions follow
- D All the conclusions follow

Answer: C

49. Five people, P, Q, R, S, and T, are sitting in a straight row, facing north. Q sits to the immediate left of S. Only three people sit between R and T. P sits to the immediate left of T. Who sits in the middle of the row?

- A T
- B P
- C Q
- D S

Answer: D

50. In a certain code language, 'ACD' is coded as '12', and 'BEA' is coded as '10'. How will 'ECG' be coded in that language?

- A 115
- B 125
- C 105

D 85

Answer: C

Numerical Aptitude

51. The average of 21 consecutive natural numbers is 53. What is the value of the smallest of these 21 numbers?

A 42

B 41

C 43

D 44

Answer: C

52. A shopkeeper buys three products a, b, c and sells them at 20%, 30%, 40% profit, respectively. What is ratio of the selling price of these products, if the ratio of their cost prices is 4:3:2?

A 48 : 39 : 28

B 34 : 54 : 12

C 24 : 39 : 14

D 56 : 26 : 21

Answer: A

53. The average of 5 numbers, arranged in a row, is 309. The average of the first two of these numbers is 431 and the average of the last two of these numbers is 231.5. What is the value of the number at the center of the row?

A 321

B 52

C 108

D 220

Answer: D

54. What is the compound interest on ₹24,000 for 2 years at the rate of 10% per annum, if interest is compounded annually?

A ₹5,280

B ₹4,820

C ₹6,080

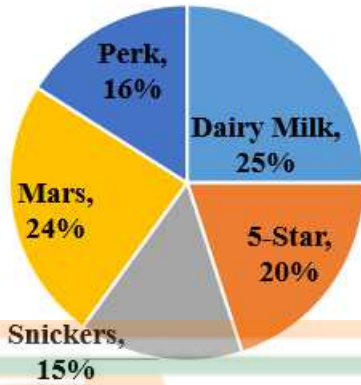
D ₹5,040

Answer: D

55. Study the given pie-chart and answer the question that follows.

The pie-chart shows the percentage distribution of the number of different types of chocolates distributed by Akanksha to the residents of a children's home, as percentages of all the chocolates taken together, that were distributed by her to these residents.

Percentage distribution of the types of chocolates distributed



The average number of chocolates of Dairy Milk, 5-Star and Snickers taken together is equal to the number of chocolates distributed of which of the given types?

- A 5-Star
- B Dairy Milk
- C Perk
- D Mars

Answer: A

56. A boat takes 16 minutes and 24 minutes to cover a certain distance downstream and upstream, respectively. If the speed of the boat in still water is 15 km/h, find the speed of the stream.

- A 2.5 km/h
- B 3 km/h
- C 5 km/h
- D 2 km/h

Answer: B

57. Two successive discounts of 20% and 30% are given while selling an article. What is the ratio of the marked price of the article to its selling price?

- A 25 : 14
- B 27 : 16
- C 21 : 10
- D 24 : 13

Answer: A

58. The average of five terms is 40. If the first four terms are given as 50, 52, 35 and 46, find the fifth term.

- A 16
- B 18
- C 17
- D 15

Answer: C

59. A train running at the speed of $\frac{140}{9}$ m/sec, crosses a pole in 27 sec. Find the length of the train.

- A 420 m
- B 120 m
- C 320 m
- D 220 m

Answer: A

60. Select the number that will come in place of the question mark (?) in the following mathematical statement.

$$\frac{5}{9} \text{ of } \frac{11}{14} \text{ of } 42\% \text{ of } 540 = ?^2 - 45$$

- A 12
- B 9
- C 13
- D 17

Answer: A

61. P can do $\frac{1}{2}$ of a work in 10 days and Q can do $\frac{1}{5}$ of the same work in 4 days. In how many days can both finish the work, working together?

- A 14 days
- B 10 days
- C 15 days
- D 5 days

Answer: B

62. If the cost of 10 books is ₹250, then find the cost of 15 books.

- A ₹125

- B ₹115
- C ₹375
- D ₹215

Answer: C

63. A cube has sides that are 4 cm each, and the dimensions of a cuboid are $2\text{cm} \times 3\text{cm} \times 4\text{cm}$. Find the positive difference between the volume of the cube and that of the cuboid .

- A 40 cm^3
- B 120 cm^3
- C 20 cm^3
- D 60 cm^3

Answer: A

64. Arun bought an old computer and spent ₹110 on its repairs. He then sold it to Bhola at a profit of 20%. Bhola sold it to Chandan at a loss of 10%. Chandan finally sold it for ₹1,188 at a profit of 10%. How much did Arun buy the computer for?

- A ₹890
- B ₹640
- C ₹750
- D ₹1,050

Answer: A

65. A goat is tied with a 10.5 m-long rope to one corner of a plot which is in the shape of an equilateral triangle each side of which is 16 m long. Find the area that the goat can graze on.

- A 62.25 m^2
- B 57.75 m^2
- C 53.5 m^2
- D 51.75 m^2

Answer: B

66. The ratio of the number of hens to the number of goats on farm A is 5 : 4 and that on farm B is 5 : 7. What could be the ratio of the total number of hens to the total number of goats in farms A and B taken together?

- A 3 : 2
- B 7 : 11
- C 1 : 2
- D 9 : 11

Answer: D

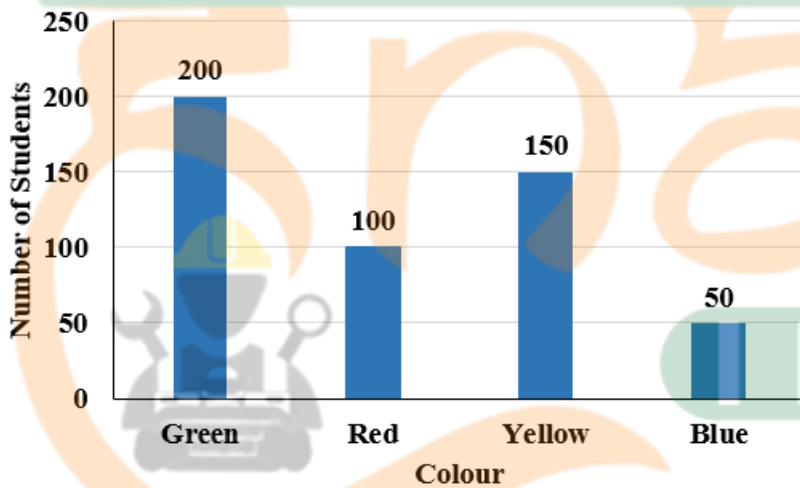
67. Simplify the following expression.

$$25 - (4 \div 2) + 11.5 + 9.5$$

- A 46
- B 47
- C 44
- D 45

Answer: C

68. The following bar graph shows the number of students who like four different colours.



Find the difference between the number of students who like yellow and those who liked blue .

- A 100
- B 125
- C 50
- D 60

Answer: A

69. If A = 1300 and B = 1450, then B is approximately what percentage more than A?

- A 13.46%
- B 9.86%
- C 7.41%
- D 11.54%

Answer: D

70. Find the LCM of the fractions $\frac{2}{5}$, $\frac{3}{7}$, and $\frac{4}{9}$

- A 12
- B 24
- C $\frac{2}{315}$
- D $\frac{1}{315}$

Answer: A

71. A man bought a chair for ₹580. At what price should he sell the chair so as to gain 25%?

- A ₹1,080
- B ₹725
- C ₹590
- D ₹820

Answer: B

72. If the height and the radius of the base of a cone are both doubled, the volume of the cone becomes _____ of its previous volume.

- A 4 times
- B 8 times
- C 3 times
- D 6 times

Answer: B

73. The population of a city in the year 2020 was 2,00,000. The rate of growth of population is 8% per annum. Find the population of that city in the year 2022.

- A 2,29,484
- B 2,33,280
- C 2,21,785
- D 2,12,890

Answer: B

74. Two pipes, D and E, can fill a cistern in 26 and 78 hours, respectively, while working alone. If the two pipes are opened together, the time taken to fill the cistern is:

- A $18\frac{1}{4}$ hours
- B $19\frac{1}{2}$ hours
- C $18\frac{1}{3}$ hours
- D $19\frac{1}{4}$ hours

Answer: B

75. The following table shows the number of laptops sold from five different stores in a city on five days of a given week.

Stores	Sunday	Monday	Tuesday	Wednesday	Thursday
P	67	80	49	70	90
Q	80	56	55	85	54
R	56	48	50	80	40
S	68	74	78	70	95
T	100	52	90	86	84

What is the ratio of the total number of computers sold from store S on Tuesday, Monday and Sunday taken together to that sold from store P on Tuesday, Wednesday and Thursday taken together?

- A 13 : 11
- B 11 : 15
- C 11 : 19
- D 20 : 19

Answer: D



INDIA

General Awareness

76. What is the sex ratio (Approx) of India as per Census 2011?

- A 840 females per 1000 males
- B 940 females per 1000 males
- C 640 females per 1000 males
- D 740 females per 1000 males

Answer: B

77. Ghiyasuddin Balban (1265-1286 AD), ruler of the Slave dynasty, took up the title of _____.

- A Nur-al-Din (light of the faith)
- B JahanPanah (protector of the world)

- C Zil-i-Ilahi (shadow of God)
- D NurMahal (light of the palace)

Answer: C

78. Who among the following personalities, known by the affectionate moniker 'Nightingale of India', passed away in February 2022?

- A Tarla Joshi
- B Abhilasha Patil
- C Saroj Khan
- D Lata Mangeshkar

Answer: D

79. Sam talks about an example of an igneous rock. Which of the following can it be?

- A Limestone
- B Sandstone
- C Basalt
- D Marble

Answer: C

80. Who is the author of the book 'Modi Government: New Surge of Communalism'?

- A Jaswant Singh
- B Sitaram Yechury
- C Pranab Mukherjee
- D M J Akbar

Answer: B

81. Who among the following devised the policy 'Doctrine of Lapse'?

- A Lord Dalhousie
- B Lord Mountbatten
- C Lord Cornwallis
- D Lord Canning

Answer: A

82. Which of the following is an example of artificial ecosystem?

- A Lake
- B Garden
- C Pond
- D Forest

Answer: B

83. In which state of India is Konark dance festival celebrated?

- A Rajasthan
- B Odisha
- C Jharkhand
- D Karnataka

Answer: B

84. How many fundamental duties of Indian citizens are there in the Indian Constitution, as of March 2022?

- A 11
- B 3
- C 5
- D 9

Answer: A

85. Shiv Kumar Sharma is associated with which instrument?

- A Dholak
- B Nadaswaram
- C Santoor
- D Sitar

Answer: C

86. Which of the following states of India will host the 2023 Men's Hockey World Cup?

- A Karnataka
- B Maharashtra
- C Uttar Pradesh
- D Odisha

Answer: D



INDIA

87. Tankeswar Hazarika Borbayan received the Sangeet Natak Akademi Award for the year 2018 for his contribution to which classical dance of India?

- A Kathak
- B Bharatanatyam
- C Kuchipudi
- D Sattriya

Answer: D

88. Which of the following is the only large river in the Indian desert?

- A Betwa River
- B Luni River
- C Banas River
- D Kosi River

Answer: B

89. Antyodaya Anna Yozana (AAY) was launched by the government to fight ____.

- A poverty
- B environmental degradation
- C unemployment
- D population growth

Answer: A

90. The Treaty of Lahore was signed in 1846 between the British empire and ____.

- A Maharaja Duleep Singh
- B Maharani Chand Kaur
- C Maharaja Ranjit Singh
- D Maharaja Kharak Singh

Answer: A

91. Aihole was the capital of the ____.

- A Pandayas



INDIA

- B** Chalukyas
- C** Cholas
- D** Pallavas

Answer: B

92. Which of the following states has two houses in its state legislature?

- A** Rajasthan
- B** Jharkhand
- C** Maharashtra
- D** Gujarat

Answer: C

93. Which of the following is the state of origin of the Odissi dance form?

- A** Kerala
- B** Andhra Pradesh
- C** Tamil Nadu
- D** Odisha

Answer: D

94. Which of the following trains of India is the fastest (as per trial runs), as of April 2022?

- A** Howrah Ranchi Shatabdi Express
- B** Howrah Rajdhani Express
- C** Maharashtra Sampark Kranti Express
- D** Vande Bharat Express (Train 18)

Answer: D

95. Which Department of the Government of India launched 'One Health' pilot project in April 2022?

- A** Department of Pharmaceuticals
- B** Department of Commerce
- C** Department of Consumer Affairs
- D** Department of Animal Husbandry and Dairying

Answer: D

96. What is the chemical formula of baking soda?

- A NH_4Cl
- B $CaSO_4$
- C $NaHCO_3$
- D Na_2CO_3

Answer: C

97. Which of the following substances is insoluble in water?

- A Chalk powder
- B Sugar
- C Milk
- D Salt

Answer: A

98. At which Buddhist site of India did Gautama Buddha first preach the Dharma?

- A Barabar Caves
- B Sarnath
- C Kushinagar
- D Bodh Gaya

Answer: B

99. Which country won the 2018 FIH Men's Hockey World Cup?

- A Spain
- B Australia
- C Belgium
- D The Netherlands

Answer: C

100. The financial year in the Indian economy runs from _____.

- A 1 January to 31 May
- B 1 April to 31 March
- C 1 June to 31 March
- D 1 April to 30 June

Answer: B



INDIA