

**Mathematics (25 Marks)**

1. How will be the number 24 is written in Roman numeral system?

- (a) XXIII                      (b) IVXX  
 (c) XXVI                      (d) XXIV

Ans: (d)

2. How many four digit numbers are there between 999 and 3000?

- (a) 2001                      (b) 2000  
 (c) 1999                      (d) 1998

Ans: (c)

3. Place value and face value of a number is always equal at

- (a) One's place              (b) Ten's place  
 (c) Hundred's place      (d) None of these

Ans: (a)

4. The population of a village is 78692. Out of which 29642 are men and 28167 are women and the remaining are children. Then the number of children is

- (a) 20883                      (b) 21883  
 (c) 20893                      (d) 20783

Ans: (a)

5. A birthday card costs Rs.2.73. How much would it cost to buy 4 birthday cards?

- (a) Rs.8                      (b) Rs.9.48  
 (c) Rs.9.56                  (d) Rs.8.95

Ans: (b)

6. Varun purchased a book for Rs.18.45, a pair of shoes for Rs.70.25 and a shirt for Rs.55.75. How much money did Varun spend in all?

- (a) Rs.144.35              (b) Rs.154.53  
 (c) Rs.144.45              (d) Rs.114.55

Ans: (c)

7. Which one of the following digits should be placed in the middle of the digits of the number 258970 so that 3 becomes factor of it?

- (a) 0                              (b) 1  
 (c) 2                              (d) 3

Ans: (c)

8. A thread of 10 m is cut into 25 equal parts. What decimal fraction represents the lengths of each part of the thread?

- (a) 0.2 m                      (b) 0.3 m  
 (c) 0.4 m                      (d) 0.5 m

Ans: (c)

9. My father got 3.7 litres of petrol filled in his car. The price of petrol per litre is Rs.21. How much money did my father pay at the petrol pump?

- (a) Rs.77.50                  (b) Rs.67.60  
 (c) Rs.65.50                  (d) Rs.79.40

Ans: (a)

10. I thought of a decimal number. After I had multiplied it by 2, then added 1.5 and then divided the result by 3. I got 3.5. What was the decimal number I thought?

- (a) 7.1                              (b) 5.6  
 (c) 5.8                              (d) 4.5

Ans: (d)

11. Express the ratio 15 red apples out of 50 apples as a fraction in simplest form.

- (a)  $\frac{10}{3}$                               (b)  $\frac{8}{10}$   
 (c)  $\frac{15}{50}$                               (d)  $\frac{50}{15}$

Ans: (c)

12. The perimeter of two squares is 12 cm and 24 cm. The area of the bigger square is how many times that of the smaller?

- (a) 5 times                      (b) 2 times  
 (c) 3 times                      (d) 4 times

Ans: (d)

13. If the sum of two angles in a triangle equals third angle then the triangle is

- (a) Equilateral              (b) Right angled  
 (c) Obtuse angled              (d) None of these

Ans: (b)

14. A bike travelled 486 km in 6 hours. How far did it travel in 4 hours?

- (a) 224 km                      (b) 324 km

(c) 420 km (d) 234 km

Ans: (b)

15. The number of degrees in four and one-third right angles is

- (a) 405 (b) 390  
(c) 395 (d) 400

Ans: (b)

16. The area of a square is 100 sq. cm. If the sides this square are increased by 10% then what will be the area of new square?

- (a) 121 sq.cm (b) 101 sq.cm  
(c) 81 sq.cm (d) 169 sq.cm

Ans: (a)

17. The distance between two towns A and B is 300 km. What is the distance on a map if 300 km is shown by 1 cm?

- (a) 10 cm (b) 5 cm  
(c) 3 cm (d) 50 cm

Ans: (a)

18. What is the solution to the given expression?

$$3 \times 10 + (9 \times 2)$$

- (a) 48 (b) 78  
(c) 84 (d) 114

Ans: (a)

19. Mrs. Priya bought 3 litres of milk in the morning. There was  $\frac{5}{8}$  litres left in the evening. How much milk was used during the day?

- (a)  $\frac{17}{18}$  (b)  $\frac{17}{8}$   
(c)  $\frac{23}{8}$  (d)  $\frac{19}{8}$

Ans: (d)

20. Bhushan counted to 60 using multiples of 6. Which statement is true about multiples of 6?

- (a) They are all odd numbers  
(b) They all have 6 in the ones place.  
(c) They can all divided evenly by 3  
(d) They can all be divided evenly by 12.

Ans: (c)

21. There are 26 birdhouses made a factory each hour. What is the total number of birdhouses made at the factory in 8 hours?

(a) 34

(b) 64

(c) 202

(d) 208

Ans: (d)

22. In the product  $3759 \times 9573$ , the sum of tens' digit and units' digit is

- (a) 16 (b) 0  
(c) 7 (d) 9

Ans: (c)

23. If there are 5000 mangoes in 100 boxes, how many mangoes will be there in 75 boxes?

- (a) 3570 (b) 3750  
(c) 4000 (d) 2750

Ans: (b)

24. The number 5 crores 9 lakhs 4 thousands 9 hundred eighty – eight in numerals can be written as

- (a) 59004988 (b) 590400988  
(c) 509049088 (d) 50904988

Ans: (d)

25. Smallest 3 digit number is subtracted from smallest 4 digit number. Write the result in Roman numeral.

- (a) DM (b) CM  
(c) DCM (d) MC

Ans: (b)

### Reasoning (25 Marks)

26. Look at the series, 46, 44, 40, 38, 34, \_\_, which number should come next?

- (a) 30 (b) 36  
(c) 32 (d) 31

Ans: (c)

27. Which letter should come next in the series, Q, J, E, B, \_?

- (a) A (b) Z  
(c) C (d) X

Ans: (b)

28. Which number would fill the empty space in the series; 4, 7, 12, 19, \_\_, 39?

- (a) 28 (b) 26  
(c) 24 (d) 22

Ans: (a)

29. If 'earth' is called 'sky', 'sky' is called 'water', 'water' is called 'light' and 'light'

is called 'air', then if someone is thirsty what would he drink?

- (a) light
- (b) air
- (c) sky
- (d) Water

Ans: (a)

30. Which of the following numbers will continue the given series: 78, 68, 64, 58, 50, ?

- (a) 42
- (b) 40
- (c) 44
- (d) 38

Ans: (b)

31. Which number would replace the underline mark in the series 20, 40, 100,   , 820?

- (a) 240
- (b) 260
- (c) 280
- (d) 300

Ans: (c)

32. Which letter should come next in the series F, G, H, J, K, L, M, N, P,   ?

- (a) Q
- (b) R
- (c) T
- (d) O

Ans: (a)

33. If the day before yesterday was Thursday, then what day will be day after tomorrow?

- (a) Monday
- (b) Sunday
- (c) Wednesday
- (d) Friday

Ans: (a)

34. Find the missing pair in the series, EQ, FS, HW, KA,   , TL.

- (a) OF
- (b) OB
- (c) AL
- (d) AM

Ans: (a)

35. Mumbai: Maharashtra::? : Rajasthan

- (a) Bhopal
- (b) Jaipur
- (c) Chandigarh
- (d) Chennai

Ans: (b)

36. How many possible combinations of 1 notebook and 1 pen can be formed from 5 notebooks and 3 pens?

- (a) 8
- (b) 12
- (c) 10
- (d) 15

Ans: (d)

37. Find the missing number: 347, 300, 257, 215, 179, 148, .....

- (a) 119
- (b) 115
- (c) 123
- (d) 117

Ans: (a)

38. Pacific: Ocean :: Greenland : ?

- (a) Island
- (b) Forest
- (c) River
- (d) Finland

Ans: (a)

39. Find the odd man out

- (a) Medium
- (b) Average
- (c) Mediocre
- (d) Terrible

Ans: (d)

40. If HOT is coded as GNS, How is COLD coded?

- (a) BNKC
- (b) DPME
- (c) EQNF
- (d) FROG

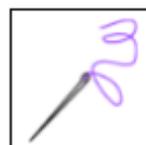
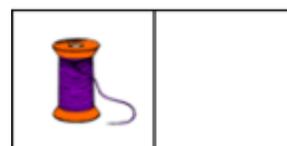
Ans: (a)

41. Find the odd man out

- (a) 144
- (b) 168
- (c) 196
- (d) 256

Ans: (b)

42.



(a)



(b)



(c)



(d)

Ans: (a)

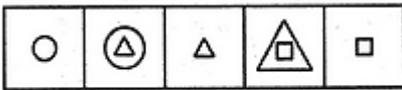
43. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

- (a) Brother
- (b) Sister
- (c) Nephew
- (d) Cannot be determined

Ans: (d)

44. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures

**Problem Figures:**



(A) (B) (C) (D) (E)

**Answer Figures:**



(1) (2) (3) (4) (5)

- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) 5

Ans: (d)

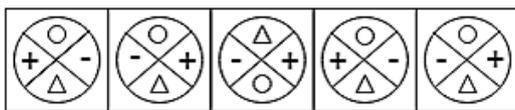
45. In a certain code, TREE is written as UQFD. How is LEAF written in that code?

- (a) MFBG
- (b) KDZE
- (c) MDBE
- (d) MBZE

Ans: (c)

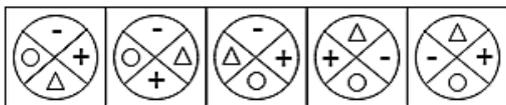
46. Which answer figure will continue the same series as established by the problem figures?

**Problem figures:**



A B C D E

**Answer Figures:**



1 2 3 4 5

- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) 5

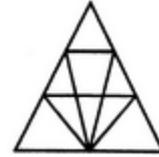
Ans: (e)

47. Complete the series: QAR, RAS, SAT, TAU, \_\_\_\_\_

- (a) UAV
- (b) UAT
- (c) TAS
- (d) TAT

Ans: (a)

48. Find the number of triangles in the given figure.



- (a) 12
- (b) 18
- (c) 22
- (d) 26

Ans: (b)

49. Joke: Laughter

- (a) Story: Mystery
- (b) Horror: Fear
- (c) Eyes: Tears
- (d) Actor: Acting

Ans: (b)

50. Careful is to careless as honest is to

- (a) Honesty
- (b) Clever
- (c) Truthful
- (d) Corrupt

Ans: (d)

**English (25 Marks)**

51. Fill in the blanks with correct articles: "\_\_\_\_\_ Nile is an African river."

- (a) A
- (b) An
- (c) The
- (d) None of these

Ans: (c)

52. Choose the correct option to complete the simile: "As black is related to coal so white is related to \_\_\_\_\_."

- (a) cotton
- (b) snow
- (c) ice
- (d) feather

Ans: (b)

53. Choose the correct pronoun for the sentences: "Mary herself will prepare the food."

- (a) personal
- (b) interrogative
- (c) possessive
- (d) reflexive

Ans: (d)

54. Which of the following has the correct punctuation? Choose the correct option.

- (a) May you be happy in life.
- (b) May you be happy in life?
- (c) May you be happy in life!
- (d) may you be happy in life:

Ans: (c)

55. Choose the correct sentence: He said:

“It is raining heavily.”

- (a) He said it is raining.
- (b) It is raining he said.
- (c) He said that it was raining heavily.
- (d) He said that it rained.

Ans: (c)

56. Form a meaningful sentence from given jumbled words:

“Twice/day/brush/teeth/a/your”

- (a) Brush your teeth twice a day.
- (b) Twice a day your teeth brush.
- (c) A day twice brush teeth your.
- (d) Your teeth twice a day brush.

Ans: (a)

57. Form a meaningful sentence from given jumbled words:

“Sky/in/are/blue/birds/flying.”

- (a) Sky blue in birds are flying.
- (b) Flying sky in blue are birds.
- (c) Birds are flying in blue sky.
- (d) None of these

Ans: (c)

58. Form a meaningful sentence from given jumbled words:

“A/story/I/be/narrating/will tomorrow”

- (a) I story will be a narrating tomorrow.
- (b) I will be narrating a story
- (c) A story will be narrating I tomorrow.
- (d) Will tomorrow be a story I narrating.

Ans: (b)

59. Unscramble the letters to form the name of a vegetable “**BABEGAC**”

- (a) no change
- (b) Cabbage
- (c) bagecab
- (d) egababc

Ans: (b)

60. Find synonyms of **WISDOM**.

- (a) Goodness
- (b) Silly

(c) Foolishness

(d) Stupid

Ans: (c)

61. Find synonyms of **SERENITY**.

- (a) Haste
- (b) Sincere
- (c) Bustle
- (d) Stop

Ans: (c)

62. Choose the verb from the following sentences: “**Children are dancing on the stage.**”

- (a) driving
- (b) dancing
- (c) digging
- (d) drinking

Ans: (b)

63. Find synonyms of the following adjective: **USEFUL**.

- (a) useless
- (b) wonderful
- (c) helpful
- (d) harmless

Ans: (c)

64. Find synonyms of the following adjective: **NATURAL**.

- (a) unusual
- (b) normal
- (c) artificial
- (d) delicate

Ans: (b)

65. Find synonyms of the following adjective: **POOR**.

- (a) pity
- (b) charity
- (c) needful
- (d) rich

Ans: (c)

66. Find synonyms of the following adjective: **LARGER**.

- (a) huge
- (b) tiny
- (c) smaller
- (d) better

Ans: (a)

67. Choose the correct adverbs: “In the past, she has been \_\_\_\_\_ lucky with her buys.”

- (a) rare
- (b) very
- (c) unlucky
- (d) never

Ans: (b)

68. Choose the one which can be substituted for the given words/sentences: “**Animals which feed on herbs.**”

- (a) Carnivorous
- (b) Vegetarian
- (c) Cannibal
- (d) Herbivorous

Ans: (d)

69. Choose the one which can be substituted for the given words/sentences: **“An enclosure for keeping birds”**

- (a) Apiary (b) Aviary  
(c) Zoo (d) Aquarium

Ans: (b)

70. Fill in the blanks with correct options: **“\_\_\_\_\_ one of the villagers had to vacate his house.”**

- (a) Each (b) All  
(c) Every (d) Any

Ans: (c)

71. Fill in the blanks with correct options: **“He is \_\_\_\_\_ serious about his health.”**

- (a) most (b) mostly  
(c) lately (d) Hard

Ans: (b)

72. Fill in the blanks with correct options: **“No sooner \_\_\_\_\_ than the police handcuffed him.”**

- (a) he came (b) did he come  
(c) did he come (d) had he come

Ans: (c)

73. Fill in the blanks with correct options: **“The dog has been \_\_\_\_\_ by the car.”**

- (a) run into (b) run out  
(c) run for (d) run over

Ans: (d)

74. Fill in the blanks with correct options: **“Is there \_\_\_\_\_ money in your pocket.”**

- (a) much (b) more  
(c) any (d) no

Ans: (c)

75. Choose the one which can be substituted for the given phrase/sentence **“A person who knows the laws and pleads the cases in a court”**

- (a) Lawyer (b) Judge  
(c) Inspector (d) Client

Ans: (a)

76. I am a scientist and study the universe and the objects within it. Who am I?

- (a) Astronomer  
(b) Chemist  
(c) Ophthalmologist  
(d) Biologist

Ans: (a)

77. Who celebrate the festival Hanukkah, also known as the Festival of Lights?

- (a) Christians (b) Muslims  
(c) Jews (d) Parsis

Ans: (c)

78. Which one of the following is an insectivorous plant?

- (a) Tomato (b) Rose  
(c) Pitcher plant (d) Tulip

Ans: (c)

79. Select the odd one out in this group Heart, Lungs, kidney, Stomata

- (a) Heart (b) Kidneys  
(c) Lungs (d) Stomata

Ans: (d)

80. Which of the following is a good source of protein?

- (a) Apple (b) Fish  
(c) Noodles (d) Chocolates

Ans: (b)

81. Who was the first Prime Minister of India?

- (a) Indira Gandhi  
(b) Jawaharlal Nehru  
(c) Rajendra Prasad  
(d) Chandra Shekhar

Ans: (b)

82. Sun is a

- (a) Star (b) Planet  
(c) Galaxy (d) Solar System

Ans: (a)

83. The branch of medicine that deals with medical care of children is called

- (a) Pediatrics (b) Psychiatry  
(c) Geriatrics  
(d) Ophthalmology

Ans: (a)

84. Which of the following statements is/are correct?

- (a) Plants and humans can produce their own food.
- (b) Animals search for food in the hibernation period.
- (c) Stamens are male parts of a flower
- (d) Both (a) and (c)

Ans: (c)

85. Which of the following gives red color to blood?

- (a) Hemoglobin
- (b) Chlorophyll
- (c) Vitamin
- (d) Protein

Ans: (a)

86. The study of animal is called

- (a) Astronomy
- (b) Botany
- (c) Zoology
- (d) Physics

Ans: (c)

87. Who among the following has/have won the Bharat Ratna award?

- (a) Madan Mohan Malaviya
- (b) Atal Bihari Vajpayee
- (c) APJ Abdul Kalam
- (d) All of these

Ans: (d)

88. Which of the following is a modification of leaf?

- (a) Onion
- (b) Carrot
- (c) Radish
- (d) Spikes in cactus

Ans: (d)

89. Carrot is a good source of \_\_\_\_\_

- (a) Vitamin
- (b) Protein
- (c) Fat
- (d) Carbohydrate

Ans: (a)

90. Who is the current Finance Minister of India?

- (a) Nirmala Sitharaman.
- (b) Manohar Parrikar
- (c) Rajnath Singh
- (d) Venkaiah Naidu

Ans: (a)

91. Which day is observed as World Malaria Day?

- (a) 25 April
- (b) 25 May
- (c) 24 June
- (d) 2 December

Ans: (a)

92. Which of the following became India's First World Heritage City?

- (a) Ahmedabad
- (b) Vadodara
- (c) Thiruvananthapuram
- (d) Hyderabad

Ans: (a)

93. Which song is played before the start of a movie in cinema halls in India?

- (a) De di Azadi Hamen
- (b) Jana Gana Mana
- (c) Mere Desh ki Bharti
- (d) Ay Mere Pyare Watan

Ans: (b)

94. Which of the following is an endangered plant species?

- (a) Baobab
- (b) Mango
- (c) Neem
- (d) Pine

Ans: (a)

95. What is the currency of Belgium?

- (a) Krone
- (b) Dollar
- (c) Euro
- (d) Pound

Ans: (c)

96. Who gave Gandhi the title of 'Mahatma'?

- (a) Pandit Jawahar Lal Nehru
- (b) Rabindranath Tagore
- (c) Sardar Vallabhbhai Patel
- (d) Maulana Azad

Ans: (b)

97. Monorails run in which of the following cities of India?

- (a) Mumbai
- (b) Delhi
- (c) Gurgaon
- (d) Bangalore

Ans: (a)

98. What is the Parsi New year known as?

- (a) Hina Matsuri
- (b) Passpver
- (c) Navroz
- (d) Rosh Hashana

Ans: (c)

99. Which of the following substance is made up of carbon?

- (a) Diamond
- (b) Lead Pencil
- (c) Coal
- (d) All of these

Ans: (d)

100. Which of the following devices is used to hear your heart beat?

- (a) Stethoscope
- (b) Sphygmomanometer
- (c) Sonometer
- (d) Magnetic resonance imaging

Ans: (a)