

Booklet No

3rd STATE LEVEL MTGS COMPETITION, 2024

Organised by:

Mission Transformation of Government Schools (MTGS)

QUESTION BOOKLET

CLASS VI

(Subjects: MATHEMATICS, SCIENCE, SOCIAL SCIENCE & GENERAL AWARENESS)

INSTRUCTIONS TO THE CANDIDATES

1. This booklet contains 100 questions and each question carries equal marks.
2. This Question Booklet contains three Sections :
Section A - Mathematics (25 Questions)
Section B – Science (25 Questions)
Section C – Social Science (25 Questions)
Section D – General Awareness (25 Questions)
3. The duration of the exam is two (2) hours.
4. Attempt all the questions as there is no negative mark for wrong response.
5. Write your Name, School's Name, Class, Roll No, etc. in the box specified in the OMR ANSWER SHEET.
6. In the OMR Answer Sheet, there are four options marked as A, B, C & D against each question. You will select the response which you want to mark on the OMR Sheet and darken it completely as shown in the OMR Sheet.
7. Each question has one correct answer. Attempting more than one choice for a particular question will be treated as a wrong response even if one of the marked answer happens to be correct.
8. If a question is left blank, there will be no mark for the question.
9. Darken the circle using a black or blue ball point pen.
10. Before submitting the OMR Answer Sheet to the invigilator, the candidate should verify that all the entries are made correctly filled up and it is duly signed by the invigilator.
11. You are permitted to take away with you this Question Booklet.

**DO NOT OPEN THIS QUESTION BOOKLET UNTIL
YOU ARE TOLD TO DO SO.**

SECTION A: MATHEMATICS

1. A vessel contains 4 litres and 500 ml of curd. In how many glasses, each of 25 ml capacity, can it be filled?
a. 90 c. 180
b. 50 d. 150
2. Find the perimeter of a regular hexagon with each side measuring 9 m.
a. 24 m c. 81 m
b. 27 m d. 54 m
3. Which of the following statements is true?
a. Zero is the smallest natural number.
b. All whole numbers are natural numbers.
c. The successor of a two-digit number may be a three-digit number.
d. The natural number 1 has a predecessor
4. Find the value of
($3845 \times 5 \times 782 + 769 \times 25 \times 218$)
a. 1925000 c. 195000
b. 19225000 d. 2000000
5. Naresh travelled 15 km 50 m by bus, 7 km 7 m by car and 400 m on foot to reach his school. How far is his school from his residence?
a. 22.457 m c. 22.457 km
b. 22.47 km d. 22 km
6. Which of the following represents the expression "7 subtracted from a number p"?
a. $7 - p$ c. $7p$
b. $p + 7$ d. $p - 7$
7. How many right angles does the hour hand of a clock turn through when it moves from 12 to 9?
a. 3 c. 2
b. 1 d. 4
8. A floor is 15m long and 12 m wide. A square carpet with a side length of 13 m is laid on the floor. Find the area of the floor that is not carpeted?
a) 144 m^2 c. 169 m^2
b. 11 m^2 d. 14 m^2
9. Find the greatest 3 digit number exactly divisible by 8, 10 and 12.
a. 960 c. 990
b. 940 d. 980

10. Which of the following statements is not true?
a. The sum of three odd numbers is always odd.
b. All the even numbers are composite numbers.
c. Prime numbers have only two factors.
d. The product of two even numbers is always even.
11. Which of the following is not a pair of Co-Prime numbers?
a. 18 and 23 c. 15 and 37
b. 21 and 19 d. 30 and 20
12. Which of the following statements is true?
a. 0 is a positive integer
b. 0 is a negative integer
c. 0 is neither positive nor negative
d. 0 is both positive and negative
13. Find the least number which when divided by 18, 24, 30 and 36 leaves a remainder of 11 in each case.
a. 261 c. 291
b. 371 d. 247
14. How many lines can pass through one given point?
a. Only 1 c. Only 2
b. Only 3 d. infinitely many lines
15. Which of the following statements is true?
a. A circle is a simple closed curve which is also a polygon.
b. Every point on the circle is at equal distance from the centre.
c. The distance around a circle is called semi-circle.
d. A diameter divides the circle into two circumferences.
16. How many millimeters make 1 kilometer?
a. 1,000 mm c. 10,000 mm
b. 1,00,000 mm d. 10,00,000 mm
17. A triangle having two equal sides is called
a. Scalene Triangle c. Isosceles Triangle
b. Equilateral triangle d. None
18. An angle whose measure is greater than that of a right angle, but less than a straight angle, is called:
a. Acute Angle c. Right Angle
b. Obtuse Angle d. Reflex Angle
19. There are 12 oranges in a basket. If 3 oranges are taken out, what fraction of the oranges remains in the basket?
a. $\frac{3}{12}$ c. $\frac{9}{12}$
b. $\frac{1}{12}$ d. $\frac{1}{3}$

20. A piece of wire $7\frac{7}{8}$ metre long broke into two pieces. One piece was $5\frac{5}{6}$ meter long. How long is the other piece?

- a. $12\frac{1}{4}$ c. $19\frac{1}{24}$
- b. $21\frac{1}{24}$ d. $1\frac{1}{24}$

21. Rani had ₹ 18.50. She bought one ice cream for ₹ 13.65. How much money does she have now?

- a. ₹ 32.15 c. ₹ 4.85
- b. ₹ 6.85 d. ₹ 30

22. Find the area of a square whose perimeter is 48 metres.

- a. 144 m^2 c. 64 m^2
- b. 441 m^2 d. 2304 m^2

23. Two tankers contain 850 litres and 680 litres of kerosene oil respectively. Find the maximum capacity of a container which can measure the kerosene oil from both the tankers an exact number of times.

- a. 20 litres c. 50 litres
- b. 90 litres d. **170 litres**

24. Find the cost of fencing a rectangular park of length 175 m and breadth 125 m at the rate of ₹ 12 per meter.

- a. ₹ 600 c. ₹ 3600
- b. **₹ 7200** d. ₹ 10000

25. If $x=8$, what is the value of the expression $4x + 5$?

- a. 53 c. 23
- b. **37** d. 73

SECTION B: SCIENCE

26. An animal eats both plants and the flesh of other animals. The animal is a/an

- a. Herbivore c. Carnivore
- b. **Omnivore** d. None of these

27. Milk, curd, Honey and ghee are obtained from

- a. Plants c. **Animals**
- b. Microorganism d. All of these

28. Which one is not a source of roughage?

- a. Pulses c. Fruits
- b. Potato d. **Meat**

29. Which type of food fight against many diseases?

- a. Carbohydrates c. **Vitamins**
- b. Fats d. Minerals

30. Which one is not a correct pair?

- a. Vitamins A Loss of Vision
- b. Iodine Goiter
- c. **Vitamin D Anaemia**
- d. Calcium Bone & tooth decay

31. Which one is not dissolved completely in water?

- a. Salt c. Sugar
- b. **Chalk Powder** d. Honey

32. The ripening of fruit is a/an

- a. Reversible change
- b. **Irreversible change**
- c. Physical Change
- d. Periodic change

33. The change of water into its vapour form when it is heated is known as

- a. Condensation c. Melting
- b. **Evaporation** d. Sublimation

34. The innermost part of a flower is

- a. Stamen c. Corolla
- b. Carpel d. **Pistil**

35. Plants lose water through their leaves by which process?

- a. Photosynthesis c. Evaporation
- b. **Transpiration** d. Reproduction

36. Which one is a wrong statement about photosynthesis

- a. Plants take in Carbon dioxide
- b. Oxygen gas is released
- c. Water is required for photosynthesis
- d. **Sunlight is not required.**

37. Which one is not a characteristic of a living thing?

- a. Reproduces its own offspring
- b. Needs foods and shelter
- c. **Does not respire.**
- d. Responds to surrounding stimuli

38. Which of the following is an abiotic component of our surrounding?

- a. Plant c. Animals
- b. Microorganism d. **Soil**

39. Our body get rid of waste materials from our body by the process ____

- a. Reproduction c. **Excretion**
- b. Respiration d. Digestions

40. While measuring the length of a stick, the reading of the scale at one end is 5.0 cm and at the other end is 20.5 cm. What is the length of the stick?

- a. 14.5 cm c. 25.5 cm
- b. **15.5 cm** d. 30.5 cm

41. The length of desk is 2.65 meter. Express it into millimeter.

- a. **2650 mm**
- b. 26500 mm
- c. 26.5 mm
- d. 265 mm

42. Which of the following is not an example of periodic motion?

- a. Motion of a child on the swing
- b. Motion of strings of a guitar
- c. **Falling of leaves from tree**
- d. Motion of a simple pendulum

43. Which one is a correct pairing?

- a. Clear water - Opaque
- b. Brick - Transparent
- c. **Wax paper - Translucent**
- d. Wood - Luminous object

44. Which type of object will not form a shadow?

- a. **Transparent object**
- b. Translucent object
- c. Opaque object
- d. All of these

45. Which type of objects allow only some light to pass through them?

- a. Transparent object
- b. **Translucent object**
- c. Opaque object
- d. None of these

46. The source of energy in an circuit is

- a. Wire
- b. Switch
- c. Fuse
- d. **battery**

47. A device used to break an electric circuit is known as

- a. Battery
- b. Wire
- c. **Switch**
- d. Bulb

48. A magnet loses its magnetic properties if they are

- a. Heated
- b. Hammered
- c. Dropped from a some height
- d. **All the above are correct.**

49. Read the following statements:

- (i) Copper is a good conductor
- (ii) Cell gives energy to a circuit
- (iii) Human body is an insulator.

Choose the correct statements

- a. Only (i) is true
- b. Only (ii) is true
- c. **Both (i) and (ii) are true**
- d. Both (i) and (iii) are true

50. Which of the following statement is true?

- a. Rubber is a magnetic material.
- b. A cylindrical magnet has only one pole.
- c. **Bar magnets always point towards North-South direction.**
- d. Similar poles of a magnet attract each other.

SECTION C: SOCIAL SCIENCE

51. Who was the first person to step on the Moon?

- a. **Neil Armstrong**
- b. Kalpana Chawla
- c. Juri Gagarin
- d. Buzz Aldrin

52. Asteroids are primarily found orbiting between which two planets?

- a. Earth and Mars
- b. **Mars and Jupiter**
- c. Jupiter and Saturn
- d. Venus and earth

53. Which statement is not true in respect of our planet earth?

- a. It is the third nearest planet to the sun.
- b. **It is the seventh largest planet of the solar system**
- c. It is the only planet that supports live
- d. It has only one natural satellite.

54. The region between the Tropic of Cancer and the Tropic of Capricorn is known as

- a. Frigid Zone
- b. Temperate Zone
- c. **Torrid Zone**
- d. None of these

55. IST (Indian Standard Time) is ahead of GMT (Greenwich Mean Time) by how many hours?

- a. 5 Hours
- b. 6 Hours
- c. **5.30 Hours**
- d. 4.30 Hours

56. The value of Prime Meridian is ____

- a. 30°
- b. 90°
- c. **0°**
- d. 180°

57. The Midnight Sun is visible in which country?

- a. Japan
- b. South Africa
- c. **Norway**
- d. Australia

58. On December 22

- a. The Southern Hemisphere has the longest Day
- b. The Northern Hemisphere has the longest Night
- c. The Southern Hemisphere has the shortest Night
- d. **All the above statements are true.**

59. Which one is not correctly paired?

Continent	Highest Peak
a. Asia	Mt. Everest
b. Africa	Mt. McKinley
c. Europe	Mt. Elbrus
d. South America	Mt. Aconcagua

60. The Roof of the World, the highest plateau is located in

- a. Australia
- b. India
- c. Tibet
- d. Europe

61. Which ocean is known as the Half an Ocean?

- a. Atlantic Ocean
- b. Pacific Ocean
- c. Arctic Ocean
- d. Indian Ocean

62. Which river drains the water of Loktak Lake to the Imphal River?

- a. The Nambul River
- b. The Khuga River
- c. The Khordak River
- d. The Thoubal River

63. Which one of the following rivers is not a tributary of the Barak River?

- a. The Irang
- b. The Khuga
- c. The Tuiva
- d. The Makru

64. Which one is not a district of Manipur?

- a. Jiribam
- b. Ukhrul
- c. Tamenglong
- d. Chakpikarong

65. The Cheitharol Kumbaba records events from which period?

- a. 40 AD to 1500 AD
- b. 33 AD to 1955 AD
- c. 1500 AD to 2000 AD
- d. 900 AD to 1955 AD

66. The study of material pasts by studying writing on stone, metals, etc. is called

- a. Numismatics
- b. Archeology
- c. Epigraphy
- d. Anthropology

67. Which one is not an important site of the Old Stone Age?

- a. Tharon Cave
- b. Machi Village
- c. Kangkhui Caves
- d. Moirang

68. Which is incorrect about the people of Old Stone Age?

- a. Discovered fire making
- b. Discovered wheel
- c. Moved from place to place
- d. Painted on caves

69. Human being appeared on the earth around _____ years ago.

- a. 1 Million
- b. 5 Million
- c. 2 Million
- d. 10 Million

70. Around what year, the Indus valley Civilization came to an end?

- a. 1500 BC
- b. 33 AD
- c. 1900 BC
- d. 2400 BC

71. What was the first site discovered in the Indus valley Civilization?

- a. Harappa
- b. Sindhu
- c. Lothal
- d. Punjab

72. Who coined the term "Unity in Diversity"?

- a. MK Gandhi
- b. Jawaharlal Nehru
- c. BR Ambedkar
- d. Dr. Rajendra Prasad

73. Dalit are that people belonging to

- a. High caste people
- b. Lower caste people
- c. Royal family
- d. None of these

74. Which one of the following is NOT an element of dictatorship?

- a. Sudden captured of power
- b. No freedom of speech and expression
- c. Regular election
- d. No opposition and criticism

75. Panchayati Raj does not work at which level?

- a. District Level
- b. Block Level
- c. Village Level
- d. International level

SECTION D: GENERAL AWARENESS

76. Who is the famous Manipuri sportsperson known for her achievements in boxing and winning a medal in the Olympics?

- a. Mirabai Chanu
- b. MC Marry Kom
- c. Kunjarani
- d. Chinglensana

77. Who is the first Manipuri to win the Sahitya Academy Award?

- a. Pacha Meitei
- b. Hijam Anganghal
- c. A. Minaketan
- d. Kunjamohon

78. What is the first Manipuri Feature Film?

- a. Ishanou
- b. Saphabee
- c. Umanggi Mee
- d. Matamgi Manipur

79. In which year Manipur became a full-fledged state?

- a. 1949
- b. 1939
- c. 1972
- d. 1047

80. What is the official state language of Manipur?

- a. English
- b. Hindi
- c. Manipuri
- d. Sanskrit

81. In which district of Manipur, the DZUKO VALLEY is located?

- a. **Senapati**
- b. Ukhrul
- c. Churachandpur
- d. Chandel

82. What is the state game of Manipur?

- a. Kabaddi
- b. **Sagol kangjei**
- c. Thang-ta
- d. Yubi Lakpi

83. Loktak Lake is located in which district of Manipur?

- a. Ukhrul
- b. Imphal West
- c. Thoubal
- d. **Bishnupur**

84. Manipur "Statehood Day" is celebrated on

- a. 13 August
- b. 15 October
- c. **21 January**
- d. 23 April

85. "Sanaroi Singgi Numit" is observed on

- a. **25 February**
- b. 21 January
- c. 28 January
- d. 30 September

86. We celebrate the "GREAT JUNE UPRISING DAY" on

- a. 5 June
- b. **18 June**
- c. 12 June
- d. 27 June

87. Which River flows from Manipur to Assam?

- a. Imphal River
- b. **Barak River**
- c. Khuga River
- d. Nambul River

88. Manipur became a part of India in which year?

- a. 1947
- b. 1946
- c. 1945
- d. **1949**

89. Which important historical event in Manipur's history led to its annexation to Indian union?

- a. The Treaty of Yandabo
- b. **The Manipur Merger Agreement**
- c. The Shillong Accord
- d. None of these

90. What is the state song of Manipur?

- a. Hingminasi Eikhoi
- b. **Sana Leipak Manipur**
- c. Jana Gana Mana
- d. Sare Jahan Ashcha

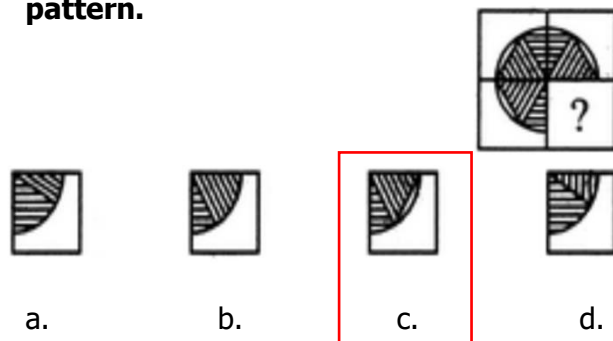
91. What is the full form of IAS?

- a. **Indian Administrative Service**
- b. Indian Assembly Service
- c. Indian Ambassador Service
- d. Indian Adhoc Service

92. What is the new name of the airport located at Imphal?

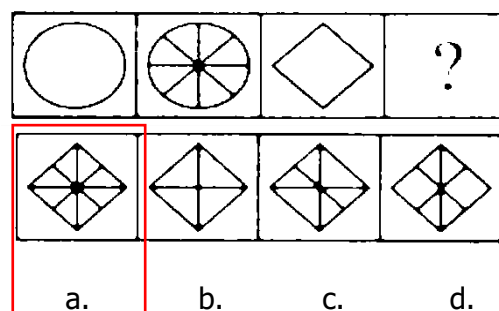
- a. J Nehru International Airport
- b. **Bir Tikendrajit International Airport**
- c. Dum Dum Airport
- d. Imphal International Airport

93. Identify the figure that completes the pattern.



94. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



95. Choose the odd one out among others.

- a. Car
- b. Jeep
- c. Truck
- d. **Rickshaw**

96. What comes next in the series:

- 105, 98, 91, 84, _____**
- a. 78
 - b. 76
 - c. **77**
 - d. 75

97. Choose the wrong pair.

- a. Teacher - School
- b. Doctor - Hospital
- c. Judge - Court
- d. **Scientist - Battlefield**

98. Which of the following tablets is given for deworming on national Deworming Day observed at schools?

- a. Ivermectin
- b. Amoxillin
- c. **Albendazole**
- d. Meronidazole

99. Which is not a Member of Parliament from Manipur?

- a. Bimol Akoijam
- b. Leisemba Sanajaoba
- c. **Benita Laishram**
- d. Kangam Arthur

100. How many states and country touch the boundary of Manipur?

- a. **3 states & 1 country**
- b. 2 states & 2 countries
- c. 4 states & 1 country
- d. 3 States & 3 countries