Divya Ma'am Doon Sainik School
MOCK TEST - 2024 RIMC/RMS & SAINIK
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-- CLASS 6<u>th</u> SAINIK / RMS --

SET - B

Maximum marks – 300   **Time – 2:30 Hours**

Note – Question paper contains three parts –

Part – A   Mathematics   40 Questions   100 Marks
Part – B   English   40 Questions   100 Marks
Part – C   General Knowledge   40 Questions   100 Marks

● All Questions are compulsory .

● There is No Negative Marking .

● Read the question paper carefully .

MATHEMATICS

1. find the Sum of 2.56 + 1.74 +0.5 +16
(a) 20.08
(b) 2.08
(c) 20.8
(d) 20.5

2. Find the product of 123.46 x 17
(a) 2098.82
(b) 2098.08
(c) 2098
(d) 2098.5

3. Divide $0.175 \div 2.5$
(a) 0.7
(b) 0.75
(c) 0.07
(d) 7

4. Write the decimal 0.75 into simplest form.
(a) $\frac{3}{4}$
(b) $\frac{1}{4}$
(c) $\frac{5}{6}$
(d) $\frac{2}{3}$

5. Simplify: $3.5 - 8.046 + 15.04 - 2.933$
(a) 4.56
(b) 4.50
(c) 4.561
(d) 4.55

6. Arrange in Ascending order?
1.6, 0.89 1.57, 2.08, 2.1, 1.56
(a) 0.89<1.6 < 1.56<1.57 <2.1 <2.08
(b) 0.89<1.6<1.56<1.57<208 < 2.1
(c) 0.89 <1.56 <1.57 <1.6 <2.05<2.1
(d) 0.89 <1.6<2.1<1.57<2.08 <1.56

7. Write in mixed fraction $\frac{67}{7}$?
(a) $9\frac{5}{7}$
(b) $5\frac{4}{7}$
(c) $9\frac{4}{7}$
(d) $9\frac{6}{7}$

8. Write in Improper fraction $10\frac{5}{9}$?
(a) $\frac{95}{10}$
(b) $\frac{95}{5}$
(c) $\frac{95}{9}$
(d) $\frac{95}{8}$

9. Seema Saver Rs. 10 per day. In how many days she would be able to save money in multiplies of 1000?
(a) 10000
(b) 1000
(c) 100
(d) 1100

10. what is the value of n if (9 x 4) + (n x 5) = 9 x (4+5)

(a) 9

(b) 4

(c) 5

(d) None of These

11. The Value of $2575 \div 25 + 2575 \div 2575$ is:

(a) 1

(b) 103

(c) 104

(d) 102

12. The sum of the factors of 35 is:

(a) 84

(b) 13

(c) 40

(d) 48

13. The commutative property over Multiplication states that:

(a) a + b = b + a

(b) a x b = b x a

(c) a x (b + c) = (a x b) + c

(d) a + (b + c) = (a + b) + c

14. Write in Hindu - Arabic Numeral $\overline{V}CM - MMXC$

(a) 3000

(b) 4800

(c) 3610

(d) 3810

15. There are six poles on a side of a 1 km 200 m long straight road such that there is a pole at the starting and end point of the Road. If the poles are equally spaced, then what is the distance between each consecutive pole?

(a) 200 m

(b) 210 m

(c) 230 m

(d) 290 m

16. If dividend = 68436, Divisor = 4, Remainder = , find Quotients?

(a) 17108

(b) 17109

(c) 17107

(d) 17111

17. Find the sum of all Primary numbers from 1 to 20.

(a) 55

(b) 66

(c) 77

(d) 88

18. Write in numeral:

Sixty five crores forty lakhs twenty thousand sixty

(a) 6,54,02,060

(b) 65,40,20,060

(c) 65,40,260

(d) 65,14,20,060

19. Add $3\frac{4}{10} + 2\frac{3}{10}$

(a) $5\frac{7}{10}$

(b) $4\frac{7}{10}$

(c) $3\frac{7}{10}$

(d) $6\frac{7}{10}$

20. Subtract $2\frac{1}{4}$ from $2\frac{4}{8}$

(a) $\frac{1}{2}$

(b) $\frac{1}{3}$

(c) $\frac{1}{4}$

(d) $\frac{1}{5}$

21. Find the LCM of $4\frac{3}{2}, 2\frac{3}{2}, 1\frac{2}{3}$

(a) $\frac{365}{1}$

(b) $\frac{375}{1}$

(c) $\frac{385}{1}$

(d) $\frac{395}{1}$

22. If the cost of 3 quintal 30 kg wheat is Rs 429, find the cost of 3 quintal wheat?

(a) Rs 360

(b) Rs 370

(c) Rs 380

(d) Rs 390

23. Simplify: $\frac{3}{4} + \frac{4}{5} + \frac{5}{7} - 2\frac{3}{5}$

(a) $\frac{-45}{140}$

(b) $\frac{-46}{140}$

(c) $\frac{-47}{140}$

(d) $\frac{47}{140}$

24. Simplify: $3\frac{1}{2} \times 2\frac{1}{4} \times \frac{1}{8}$

(a) $\frac{63}{64}$

(b) $\frac{62}{65}$

(c) $\frac{60}{64}$

(d) $\frac{61}{64}$

25. Which of the following statement is incorrect?

(a) Greatest single digit number + 1 = Smallest 2 digit number

(b) Smallest 3 digit number – 1 = Greatest 2 digit number

(c) Greatest 3 digit number + 1 = Smallest 4 digit number

(d) Smallest 4 digit number – 1 = Greatest 5 digit number

26. I am the fifth multiple of LCM of 2 and 7 what number am I?

(a) 80

(b) 70

(c) 75

(d) 65

27. Simplify: $6 \div 6 \text{ of } 8 \div 8$

(a) 1

(b) 64

(c) $\frac{1}{64}$

(d) $\frac{1}{36}$

28. Find 5 metre = _____ cm = _____ mm

(a) 50 cm, 500 mm

(b) 500 cm, 500 mm

(c) 5000 cm, 5000 mm

(d) 500 cm, 5000 mm

29. Which of the following will not represent zero?

(a) $113 \times 14 \times 0$

(b) 0×0

(c) $0 \div 2$

(d) $12 \div 0$

30. Find $1 - 2 + 3 - 4 + 5 - 6 + \_\_\_\_ + 17 - 18 + 19 - 20$

(a) - 10

(b) 100

(c) 10

(d) - 100

31. Which expression has a value greater than − 3?

(a) $4 + (-9)$

(b) $3 + (-8) + 1$

(c) $-10 + 8$

(d) $-1 + (-5) + 2$

32. The join of two vertices of polygon which are not adjacent is called____

(a) A side

(b) A diagonal

(c) An Angle

(d) None of these

33. A point where three or more lines meet is called the _____

(a) Point of concurrence

(b) Meeting point

(c) Collinear point

(d) Non collinear point

34. In a school canteen, Maya spends Rs. 35 on Noodles and Rs. 20 on cold drinks everyday. How much money does Maya spend in 1 weak.

(a) Rs. 375

(b) Rs. 385

(c) Rs. 390

(d) Rs. 395

35. Find the Perimeter and Area of Rectangle whose length and breadth are 12.6 cm and 7.4 cm respectively?

(a) 93.24 cm, 20 cm

(b) 93.24 cm², 21 cm
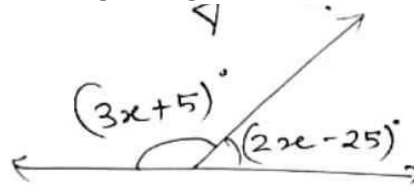
(c) 93.24 cm², 20 cm

(d) 93.20 cm², 20 cm

36. In a city, there are 45 schools each school has 35 rooms and each room has 98 chairs and tables. How many chairs and tables will be there in total?

(a) 167580

(b) 167590

(c) 167595

(d) 167500

37. A closed figure formed by joining three non-collinear points is called:

(a) A Triangle

(b) An Angle

(c) A Curve

(d) None of these
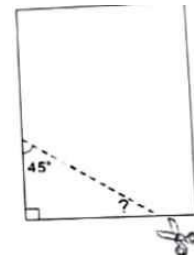
38. In the given figure, find the value of x?

(a) 30º

(b) 40º

(c) 50º

(d) 60º

39. The perimeter of a 120 m long football ground is 400 m, find the area of the ground.

(a) 960 m²

(b) 9600 m²

(c) 950 m²

(d) 9500 m²

40. Nina made a triangle by cutting the corner of a sheet of paper. One angle is 45°. What is the measure of the third angle of Nina's triangle?

(a) 30°

(b) 45°

(c) 55°

(d) 60°

ENGLISH

41. They have been waiting for the bus _____ morning. (choose suitable preposition)

(a) for   (b) since

(c) on   (d) by

42. The book is kept _____ the table. (choose suitable preposition)

(a) around   (b) on

(c) over   (d) above

43. Yesterday I met _____ European Lady in the market. (choose suitable article)

(a) the   (b) a

(c) an   (d) no article

44. Cheetah is _____ fastest animal. (choose suitable article)
(a) a   (b) an
(c) the   (d) no article

45. Either of two boys _____ intelligent. (choose suitable verb)
(a) are   (b) is
(c) have   (d) had

46. The sun _____ in the east. (choose suitable verb)
(a) is rising   (b) rise
(c) rises   (d) rose

47. Ram is the _____ boy in our class. (choose suitable adjective)
(a) tall   (b) taller
(c) tallest   (d) none of these

48. Sita is a _____ girl. (choose suitable adjective)
(a) best   (b) better
(c) good   (d) none of these

49. (A) Is arriving/ (B) The train/ (C) number seven/ (D) on platform. (Re-arrange the sentence)
(a) BACD   (b) DCAB
(c) BDCA   (d) BADC

50. He is taller than _____. (Choose suitable pronoun)
(a) me   (b) I
(c) mine   (d) myself

51. The lady does her household work _____.
(A) himself   (B) itself
(C) herself   (D) themselves

52. _____ is the best deed you have done.
(A) He   (B) This
(C) They   (D) These

Choose the word from among the four options which is similar in meaning to the given word.

53. Ancient
(a) New   (b) very old
(c) Ugly   (d) beautiful

54. Conquest
(a) Victory   (b) Release
(c) Destruction (d) Peace

Choose the word from among the four options which is opposite in meaning to the given word.

55. Haste
(a) Urgency   (b) Drive
(c) delay   (d) Pace

56. Transparent
(a) clear   (b) beautiful
(c) opaque   (d) sign

Question 57 – 59. Choose correct part of speech of the underlined word

57. She looked for the yellow book.
(a) Noun   (b) Adjective
(c) Verb   (d) Pronoun

58. The boy drank milk.
(a) Noun   (b) Adjective
(c) Verb   (d) Pronoun

59. Johny ate an apple.
(a) Noun   (b) Adjective
(c) Verb   (d) adverb

Question 60 - 62 Identify the type of sentence

60. Don't go near the water.
(a) Assertive   (b) Interrogative
(c) Exclamatory (d) Imperative

61. What a beautiful sight it is!
(a) Assertive   (b) Interrogative
(c) Exclamatory (d) Imperative

62. Children are playing cricket
(a) Declarative (b) Interrogative
(c) Exclamatory (d) Imperative

Choose suitable feminine gender of following word.

63. Emperor
(a) Queen   (b) Empress
(c) Emperor   (d) King

64. Servant
(a) maid   (b) nun
(c) she-servant (d) servantess

Choose suitable masculine gender of following word.

65. Vixen
(a) dog   (b) fox
(c) cock   (d) none of these

66. Witch
(a) male   (b) gander
(c) buck   (d) wizard

67. Bitch
(a) goat   (b) dog
(c) nun   (d) horse

68. He speaks the truth, _____? (Choose suitable question tag)
(a) do he   (b) does he
(c) doesn't he   (d) didn't he

69. We live in a tiny flat _____?
(a) won't we   (b) don't we
(c) didn't we   (d) do we

70. The science of rocks _____. (Choose one word substitution)
(a) Biology   (b) Geology
(c) Botany   (d) Zoology

71. The man whose wife is dead _____. (Choose one word substitution)
(a) Widower   (b) Widow
(c) Divorce   (d) None of these

72. Tick the common noun _____
(a) Ravi   (b) Woman
(c) Jone   (d) India

73. Tick the collective noun _____
(a) Honest   (b) Whiteness
(c) Foolish   (d) Swarm

74. He runs fast. (Identify the underlined word)
(a) Adjective   (b) Adverb
(c) Preposition   (d) None of these

75. The tea is too hot to drink.
(a) Adjective   (b) Adverb
(c) Preposition   (d) None of these

DIRECTIONS: Read the following questions and answer the questions

What causes the monsoon? The monsoon, which is essentially the seasonal reversal in wind direction, causes most of the rainfall received in India and some other parts of the world. The primary cause of monsoons is the difference between annual temperature trends over land and sea. The apparent position of the Sun with reference to the Earth oscillates from the Tropic of Cancer to the Tropic of Capricorn. Thus, the low-pressure region created by solar beating also changes latitude. The northeast and southeast trade winds converge in this low-pressure zone, which is also known as the Intertropical Convergence Zone or ITCZ. This low-pressure region sees continuous rise of moist wind from the sea surface to the upper layers of the atmosphere, where the cooling means the air can no longer hold so much moisture resulting in precipitation. The rainy seasons of East Asia, sub–Saharan Africa, Australia and the southern part of North America coincide with the shift of ITCZ towards these regions.

76. Monsoon is _____.
(a) A type of sea wave
(b) A seasonal reversal in wind direction
(c) Very hot wind
(d) Very cold wind

77. What is the full form of ITCZ?
(a) Intertrance Convergence Zone
(b) Intertropical Convergence Zone
(c) Intertropical Capricorn Zone
(d) Intertropical Conveyance Zene.

78. The major cause of monsoon is the _____.
(a) Difference between annual temperature trends over land and sea
(b) Difference between day and night temperature
(c) Moisture in the atmosphere
(d) None of these.

79. Low pressure region is created by _____.
(a) Solar heating   (b) Lanar cooling
(c) Moist wind   (d) Dry wind.

80. It rains when _____.
(a) Moist wind goes down
(b) Dry wind meets moist wind
(c) The air can no longer hold moisture resulting in precipitation
(d) Annual temperature goes down.

GENERAL KNOWLEDGE

81. The world's longest river, the Nile, flows through which continent?
(a) South America (b) Africa
(c) North America (d) Europe

82. Which is the largest island of the world ?
(a) Cuba   (b) Greenland
(c) New Guinea (d) Sumatra

83. Which social-religious reform movement founded by Raja Ram Mohan Roy?
(a) Arya Samaj   (b) Brahmo Samaj
(c) Theosophical Society (d) Satyashodhak Samaj

84. Lala Lajpat Rai was also known as:
(a) Sher-e-Bengal   (b) Sher-e-Maharashtra
(c) Sher-e-Kashmir (d) Sher-e-Punjab

85. Which of the following resource can be used again ?
(a) Coal (b) Petrol (c) Paper (d) All of the above

86. In which state of India is the famous Sanchi Stupa located?
(a) Andhra Pradesh (b) Maharashtra
(c) Madhya Pradesh (d) Jharkhand

87. Gautam Buddha was born in:
(a) Gaya (b) Lumbini (c) Kapilvastu (d) Sarnath

88. 'Hornbill Festival' is a cultural festival celebrated in which state/UT?
(a) Assam   (b) Nagaland (c) West Bengal (d) Bihar

89. India's national motto, Satyamev Jayate (truth alone triumphs) is taken from which ancient Indian scriptures?
(a) Rigveda   (b) Mundaka Upanishad
(c) Bhagavad Gita (d) Matsya Purana

90. Who is the supreme commander of the Indian Armed Forces?
(a) The President of India
(b) The Prime Minister of India
(c) The Chief of Defence Staff
(d) The Defence Minister

91. The United Nations was established in?
(a) 1947   (b) 1945   (c) 1955   (d) 1966

92. Which is not a source of animal protein ?
(a) Pulses (b) Milk (c) Cheese (d) Egg

93. What is the India-China border line called?
(a) Marginal Line   (b) Mannerheim Line
(c) Mc Mahon Line (d) Durand Line

94. An astronomical unit (AU) is a unit of
(a) Time   (b) Mass
(c) Distance (d) All of the above

95. Which one of the following is an acute infection of the small intestines caused by a bacteria?
(a) Cholera   (b) Tuberculosis
(c) Polio   (d) Rabies

96. **Kampala is the capital of which of the following African countries?**
(a) Uganda   (b) Egypt
(c) Kenya   (d) Libya

97. **Which state is not located on the bank of river Ganga ?**
(a) Kanpur (b) Varanasi (c) Surat (d) Haridwar

98. **Which is the largest Freshwater lake of the world**
(a) Victoria (b) Caspian (c) Chilka (d) Superior

99. **Which is the national game of Spain ?**
(a) Cricket (b) Bull fighting (c) Football (d) Boxing

100. **Which of the following country does not have 'Rupee' currency ?**
(a) Nepal (b) Bangladesh (c) Pakistan (d) Sri Lanka

101. **Which is the smallest state of India by population ?**
(a) Goa (b) Sikkim (c) Puduchery (d) Lakshaweep

102. **Which peak is known as 'Sagarmatha in Nepal?**
(a) Mount Everest   (b) Annapurna
(c) Nanga Parbat   (d) Kangchenjunga

103. **Which of these kings was referred to as the 'Napoleon of India"?**
(a) Ashoka   (b) Samudragupta
(c) Harshavardhana   (d) None of these

104. **The 'Dronacharya Award' is associated with the?**
(a) Eminent Surgeons   (b) Famous Artist
(c) Sports Coaches   (d) Expert Engineers

105. **How many rings are there in Olympic flag?**
(a) Five   (b) Three   (c) Four   (d) Six

106. **Which company is owned by Bill Gates?**
(a) Microsoft   (b) Wipro
(c) Google   (d) Facebook

107. **Who developed small pox vaccine?**
(a) Edward Jenner   (b) Alexander Fleming
(c) Albert-Einstein   (d) None of these

108. **Which of the following is the national flower of India?**
(a) Rose   (b) Lily
(c) Jasmin   (d) Lotus

109. **Which of the following is considered the financial capital of India?**
(a) Mumbai   (b) Bangalore
(c) Ahmedabad   (d) Kolkata

110. **Which part of human body is responsible for storing Fat as Glycogen?**
(a) Kidney   (b) lungs
(c) Liver   (d) Stomach

111. **Seasons occur because the**
(a) Earth rotates
(b) Earth is round
(c) Earth's revolution around the sun
(d) Combined effect

112. **The Ozone layer restricts**
(a) X rays   (b) IR rays
(c) UV rays   (d) Gama rays

113. **Where is the National Defence Academy located?**
(a) Khadakvasla   (b) Gaya
(c) Dehradun (d) Chennai

114. **Smallest bone in Human Body is –**
(a) Stapes (b) Femur (c) Fibula (d) Tibia

115. **Which is the smallest bird found on Earth ?**
(a) Ostrich (b) Cuckoo (c) Hummingbirds (d) Emus

116. **Which vitamin is good for Eyes ?**
(A) Vitamin C (b) Vitamin B (c) Vitamin D (d) Vitamin A

117. **...... country is knows as 'Land of Midnight Sun?**
(a) Norway (b) Italy   (c) Belgium   (d) Russia

118. **The blood bank of a body is:**
(a) Brain   (b) Kidney
(c) Spleen   (d) Heart

119. **Palk Straits connects India to which country**
(a) Sri Lanka   (b) Mauritius
(c) Bangladesh   (d) Pakistan

120. **Kavaratti is the capital of which union Territory?**
(a) Daman and Diu (b) Lakshadweep
 (c) Dadar and Nagar Haveli (d) Chandigarh