

SAINIK SCHOOL ENTRANCE EXAMINATION : 2007 - 2008  
PAPER - I MATHEMATICS AND LANGUAGE (CLASS-VI)

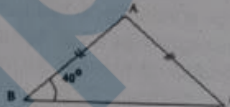
Time : 2 hours

Max.Marks : 200

**INSTRUCTIONS :**

1. This question paper contains two parts and you have to answer all the questions in both the parts.
2. Part 'A' - Mathematical Knowledge Test has three sections containing 30 questions. Q. No. 1 to 10 carry 2 marks each, 11 to 20 carry 3 marks each and 21 to 30 carry 5 marks each.
3. Part 'B' - Language ability Test contains 9 questions. Q.No. 1 & 2 Carry 15 marks each and remaining questions carry 10marks each In this part you can write your answers in any one of the chosen languages only.
4. Write your answers in Blue / Black ink only. Donot use pencil.

**PART 'A' - MATHEMATICS**

1. Find  $\frac{2}{3}$  of  $1\frac{1}{2}$
2. Arrange in the decreasing order.  
(i) 4.012 (ii) 40.12 (iii) .4012 (iv) 4.210
3. Find the value of -  $4\frac{1}{2} \div 2\frac{1}{2} + \frac{1}{2}$
4. Find volume in cubic meters of a cube of side 75cm.
5. In the adjoining figure, ABC is a triangle with AB=AC and  $\angle B=40^\circ$ . Find the value of other two angles of the triangle.  

6. What percent of 75 is 15 ?
7. What should be subtracted from 21.049 to get 9.2603 ?
8. Sunita earns Rs. 1500/- in 10 days. How much does she earn in 30 days?
9. Find the next two numbers in the following series- (i) 3, 5, 8, 12, ....., ..... (ii) 1, 2, 4, 8, ....., .....
10. Sonia pays Rs.7500/- as rent for three months. How much does she have to pay for the whole year, if the rent per month remains same ?

**SECTION 'II'**  
(Each question carries 3 marks)

11. Find the square of the value of  $-1\frac{1}{4} - 2\frac{1}{7} + 3\frac{1}{2} - 1\frac{6}{7}$
12. The weight of 25 bags of rice is 876.5 Kg. Find the weight of one bag of rice ?
13. Vimla got 70% marks in an examination. Find the maximum marks of the examination, if she got 280 marks.
14. Fill in the blanks-
  - (i)  $0 \div 10 = \dots\dots\dots$
  - (ii) if  $\frac{1}{25} = .04$ , then  $\frac{17}{25} = \dots\dots\dots$
  - (iii) One-fourth of a box of oranges are bad. The percentage of good oranges is  $\dots\dots\dots$
15. Find the G.C.M. of -3.20, 0.48, and 15.00
16. Divide Rs. 345.45 in the ratio  $-1\frac{1}{2} : 1\frac{1}{3} : 1\frac{1}{4}$  :
17. Express a speed of  $22\frac{1}{2}$  metre per second in kilometres per hour,
18. The area of a plot is 6000 square metres. Its length to breadth ratio is 12 : 5 . Find the length of its diagonal.
19. In a right angle triangle, the acute angles are in the ratio of 4 : 5 . Find these angles.
20. A number is multiplied by  $\frac{3}{2}$  . What is the increase in percent ?

**SECTION 'III'**  
(Each question carries 5 marks)

21. Find the simple interest on Rs. 462.50 for  $3\frac{1}{2}$  years at 4 % per annum. Also find the amount.
22. Draw a circle with diameter 8 cm with the help of a compass. Also draw
  - (i) its radius OP, Where O is centre of the circle and P any point on its circumference.
  - (ii) Make an angle of  $60^\circ$  at its centre.
  - (iii) Mark a minor segment of the circle.
23. By selling an article for Rs. 75, Alka loses  $6\frac{1}{4}\%$ . Find its cost price.
24. Find the length of a tunnel which a man travelling by train can cross in  $4\frac{1}{2}$  minutes. The speed of the train is 36 Km per hour.
25. A rectangular field is 38 m 5 dm long and 21 m 5 dm wide. Find the cost of fencing on all its sides at the rate of Rs. 15.50 per metre.
26. There are provisions for 84 men for 65 days. How many men should go, so that the same provisions may last for 78 days ?
27. The average age of 30 students of a class is 13 years. Out of them the average age of 18 students is 15 years. Find the average age of the remaining students.
28. Find the least number, which when divided by 3, 5, 12, 15 leaves in each case the same remainder 2.
29. State " True " or " False "
  - (i) An isosceles triangle has two of its sides equal
  - (ii) -21.07, is less than -50.06.
  - (iii) One litre of milk has a volume of 100 cubic centimetre.
  - (iv) Concentric circles have equal radii.
  - (v) A regular hexagon has all of its sides equal.
30. Roshni can row at 3 Km/h in still water. A stream is flowing at 2 Km/h. How long will she take to row 5 km upstream ?

PART 'B' - LANGUAGE

100 Marks

1. Write 15 sentences on any ONE of the following topics :  
 (a) A Visit to Zoo. or (b) Festival you like Best.

2. Read the following passage carefully and answer the questions that follow :

Once upon a time, there lived a man whose first wife had died and who was now married to a very haughty and mean woman. The second wife had two daughters who were exactly like her. By his first wife, the husband had one daughter, named Cinderella. She was very beautiful, sweet and good tempered.

No sooner was the wedding over than the step mother began to show her bad temper. She couldn't bear step daughter's good qualities. She compelled the poor girl to do all the work of the household. It was she who washed the dishes and scrubbed the stairs, polished the floors and waited on the two ugly daughters. The two daughters slept on the soft feather beds in elegant rooms. Cinderella lay in an old room in the roof on an old straw mattress. Yet, the poor thing bore this ill treatment very patiently and did not complain to her father, who was completely under the influence of his wife.

- (a) Why did Cinderella's step mother treat her badly ?  
 (b) What hardship did Cinderella face in the house ?  
 (c) What good things did Cinderella's sisters enjoy?  
 (d) Where did Cinderella sleep ?  
 (e) Which of the following statements is true.  
 (i) Cinderella's step-mother was very polite and kind. ....  
 (ii) The two daughters of the second wife were very friendly to Cinderella .....  
 (iii) Cinderella had to face a lot of hardship in her house .....

3. Construct a sentence of your own for each underlined word in the following passage. (Do not copy any sentence from the given paragraph)

The crow was thirsty. He looked around and saw an earthen pot with very little water in it. He saw some pebbles lying on the ground and started putting them in the earthen pot. When he put them in the pot, the level of the water began to rise. He had some water and flew away satisfied that his hard work had reaped desired reward.

4. Form meaningful sentences by re-arranging the words in proper order.  
 (a) writes/Atal Behari Vajpayee / poems  
 (b) Is / a very / game / cricket / popular / india / in  
 (c) No longer / Pluto / is / member / solar family / a / of the  
 (d) or / that / names / person / place / thing / animal / noun / is a / word / a  
 (e) is / animal / longest / with / an / neck / Giraffe
5. Give one word for the following  
 a) One who acts ?  
 b) One who does not eat meat ?



- c) One who mends shoes ?  
d) One who delivers letters ?  
e) An electronic device that performs simple calculations.
6. Use each of the word in separate sentences of your own to show the difference in the meaning of each pair given below.  
a) bought, brought.      b) sale, sail.      c) whole, hole      d) sign, shine      e) wait, weight
7. Choose the correct verb and fill in the blanks.  
a) Ramesh ..... in mumbai. (lives / leaves)  
b) Gopal ..... the small boy from drowning ( saved / safe)  
c) The lion ..... one animal daily. (eat / ate)  
d) The crowd ..... becoming violent ( is / are)  
e) Badal ..... Rani Lakshmi Bai's horse (was / were)
8. Change each of the following as directed.  
(a) Akbar was Mughal Ruler ( Change in to Interrogative)  
(b) There are 28 States in India ( Change in to Interrogative)  
(c) It is a beautiful scene ( Change in to Exclamatory)  
(d) Your handwriting is neat ( Change in to Negative)  
(e) The boy got drowned ( Change in to Exclamatory)
9. Fill in the blanks with the words that are opposite in meaning to those given in the brackets  
(a) The Lion is a ..... animal. ( domestic)  
(b) I shall .....Speak the truth. (never)  
(c) The question was so .....that I couldn't solve it ( easy)  
(d) Games and sports keep one .....(Unhealthy)  
(e) We should always make others .....(Un happy)
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