KENDRIYAVIDYALAYA, KHAMMAM

<u>Half yearly examination- 2017-18</u>

Class : VI   MATHEMATICS   Time: 2 ½ hrs

General Instructions:

1. The Question paper is divided into four sections.

   Section   A   [06 Marks]
   Section   B   [12 Marks]
   Section   C   [30 Marks]
   Section   D   [32 Marks]

2. All questions are compulsory.
3. All questions of a particular section must be attempted in the correct order.

SECTION - A

I   Choose the correct option.   6 x 1 = 6

1. The greatest 3 digit number is _____   [   ]
   a) 991   b)998   c)999   d)990

2. The successor of 9 is __   [   ]
   a) 9   b)10   c)11   d)None of these.
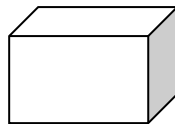
3. Which of the following number is prime   [   ]
   a) 21   b)12   c)17   d)39

4. How many angles are there in triangle   [   ]
   a) 1   b)2   c)3   d)4

5. This   shape is   [   ]

   a) Cuboid   b) cube   c)cylinder   d)cone

6. The simplest form of 10/20 is   [   ]
   a) 5/2   b)1/2   c)3/2   d)1/4

SECTION – B

II   Answer the following questions. Each question carries 2 marks. 6x2=12

7. Insert the commas suitably and write the names according to Indian system of numeration 871236.
8. Write the next 3 natural numbers after 10999.
9. Express the following as the Sum of two odd primes. A) 44   B)36
10. Draw any circle and mark. A)Its center B) A radius
11. What is the measure of A) right angle   b) straight angle
12. Solve a) 8/15 + 3/15   b) 5/8 + 3/8

SECTION – C

III   Answer the following questions. Each question carries 3 marks. 10 x 3 = 30

13. A machine on an average manufactures 2,825 screws a day. How many screws did it produce in the month of January, 2006?
14. Write the predecessor of   a)94   b)10,000
15. Write all the factors of the following numbers. A)24   b) 15
16. Write first five multiples of   a) 5   b)10
17. Draw rough diagrams to illustrate the following a) open curve   b) closed curve
18. Define   a) Acute angle   b) Obtuse angle
19. Write the opposite of the following. A) Increase in weight b) 326 BC c) Loss of 700 Rs.
20. Use number line and add 9+2
21. Express the following as mixed fraction   a)20/3   b)11/5
22. Write the simplest form of a) 15 / 75   b) 20 / 30

SECTION – D

IV   Answer the following questions. Each question carries 4 marks. 8 x 4 =32

23. Shekar is a famous cricket player. He has so far scored 6980 runs in Test matches. He wish to complete 10,000 runs. How many more runs does he need?
24. Find using distributive property. 728 x 101
25. Using distributive test determine which of following is numbers are divisible by 6.
    a) 4335   b)1258
26. Find the common factors of 4,8 and 12.
27. Draw rough diagrams of two angles such that they have a) One point in common
    b) Two points in common
28. What shape is a) match box   b) Sweet Laddu
29. Using number line write the integers which is a) 3 more than 5 b) 6 less than 2
30. Write the natural numbers from 2 to 12. What fraction of them are prime numbers.