GENIUS HIGH SCHOOL

Bhongir

Summative assessment – II

Subject : Mathematics *Time Duration: 2Hrs*

Class: VI *Maximum Marks: 50*

SECTION-A

Answer the following questions. Each question carries 1 mark (5m)

1. Write opposite of loss of Rs. 315.
2. Represent 27/4 in the form of mixed fraction.
3. If 3n = 21, then find the value of n.
4. Write the 5.07 in words.
5. Find the ratio of 90 to 120.

SECTION-B

Answer the following questions. Each question carries 2 mark (10m)

6. Construct with Ruler and Compass, angle of 45°.

7. Find the equivalent fraction of 3/4 having numerator 24.

8. Solve: 3/4 - 2/3

9. Write all integers between -6 and 3.

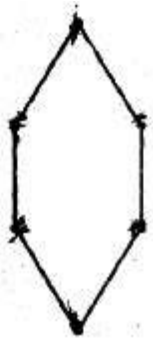
10. Express as metres using decimal : 8 m 6 cm

SECTION-C

Answer the following questions. Each question carries 3 mark (15m)

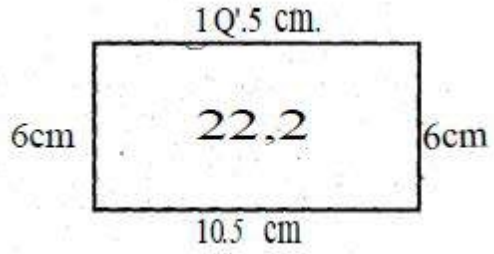
11. Find the number of lines of symmetry for the following shapes :

(a) 

(b) 

12. With AB of length 4.8 cm as diameter, draw a Circle.

13. Find the perimeter of the fig.



14. Write the following in ascending and descending order.

$\frac{1}{8}, \frac{5}{8}, \frac{3}{8}, \frac{7}{8}$

15. write the number 23409827 in words in both Indian system and International system of numeration.

SECTION-D

Answer the following questions. Each question carries 4 mark (20m)

16. The following are the number of electric bulbs purchased for a lodging house during the first four month of a year.

Months	**Number of bulbs**
January	20
February	26
March	30
April	34

Represent the details by a pictograph

17. i) Pick out the solution from the values given in the bracket next to each equation. Show that the other values do not satisfy the equation.

a) -5m = 60 (-12, 12)

b) P – 5 = 5 (0, 10)

ii) Write the rule which gives the number of match sticks required to make the following match stick pattern. Use a variable to write the rule.

a) A pattern of letter V as b) A pattern of letter A as

18. (i) Find the following:

a) 280.69 + 25.2 + 38 b) Subtract 2.015 km from 5 km

(ii) Solve by using suitable property

(a) 121x 1004 b) (25x12)+(25x15)

19. (i). For the Following Statements with True (T) or False (F).

a) 16:24::20:30

b) Perimeter of square= 2*length of its side

c) -26 is Greater than -25

d) 1 is the Smallest Positive Integers.

(ii). Divide Rs. 35 between Sonu and Monu in the ratio 5 : 2.

20. Following tables show the number of bicycles manufactured in a factory during the year 1998 to 2002. Illustrate this data using a bar graph. Choose a scale of your choice,

years	**Number of bicycles manufactured**
1998	800
1999	600
2000	900
2001	1100
2002	1200

a) In which year was the maximum number of bicycles manufactured.
b) In which year was the minimum number of bicycles manufactured?