NEW BHARATH MATRICULATION HIGHER SECONDARY SCHOOL, THIRUVARUR.
II – STD MATHEMATICS
UNIT – 1 GEOMETRY

I. Fill it and Choose it:

1. Square has 4 sides.
2. Triangle has 3 sides.
3. Circle has no corners
4. Rectangle has 4 corners
5. Dice is cube
6. Cube has 6 faces.

II. Match the following:

1. Earth   -   Sphere
2. Wood   -   Cylinder
3. Ice cream   -   cone
4. Eraser   -   Rectangle
5. 1 Rupee Coin -   Circle

III. Circle the odd one:

1) (Circle)   Square   Rectangle

2) Triangle   (Cube)   Square

3) Top   Ice cream   (Box)

4) Cylinder   (Triangle)   Cuboid

5) (Bat)   Ball   Bead
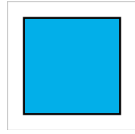
IV. Answer the following:

1. Write any two sphere shaped object?
   a)Orange   b) Ball

2. Write any two Cone shaped object?
   a)Ice cream   b)Top

3. Write any two Cylinder shaped object?
   a)Wood   b)Gas cylinder

V) Draw the following:
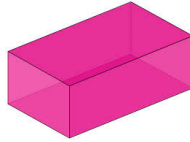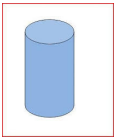
1) Circle
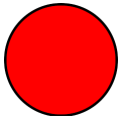
2) Square

3) Rectangle

4) Triangle

5) Cube

6) Cuboid

7) Cylinder

8) Cone

I. Fill it / Choose it:

1. The predecessor of 13 is 12
2. The successor of 39 is 40
3. 36 lies between 35 and 37
4. 5 + 15 = 20
5. 17-7 = 10

II. Match it :

1. Predecessor   -   before
2. Successor   -   after
3. 4 tens +6ones -   46
4. >   -   Greater than
5. <   -   Less than

III. Add the Follwing:

1.
$$\begin{array}{r} 2\,5 \\ 1\,3 \\ \hline \end{array} +$$

2.
$$\begin{array}{r} 1\,6 \\ 1\,5 \\ \hline \end{array} +$$

3.
$$\begin{array}{r} 6\,4 \\ 1\,4 \\ \hline \end{array} +$$

4.
$$\begin{array}{r} 4\,6 \\ 5\,1 \\ \hline \end{array} +$$

4.
$$\begin{array}{r} 2\,2 \\ 2\,2 \\ \hline \end{array} +$$

IV. Subtract the following:

1.
$$\begin{array}{r} 5\,1 \\ (-)\,1\,1 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 1\,5 \\ (-)\,4 \\ \hline \end{array}$$

3.   2 7

  (-)1 4
  _____

    _____

4. 5 3

  (-)3 2
  _____

    _____

5.   6 4

  (-)2 2
  _____

    _____

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II – STD MATHEMATICS

UNIT – 3 PATTERNS

I. Draw and complete the patterns:

1. △ ▽ △ ▽ △̲ ▽̲

2. ◯ ▢ ◯ ▢ ◯̲ ▢̲

3. | || ||| |||| |̲|̲|̲|̲|̲ |̲|̲|̲|̲|̲|̲

4. = || = || =̲ |̲|̲

5. ∞ 8 ∞ 8 ∞̲ 8̲
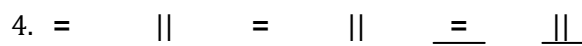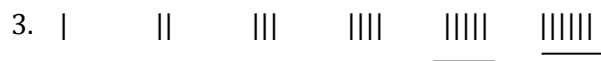
II. Complete the Patterns:

1. 1   2   3   4   5
2. 2   4   6   8   10
3. 3   6   9   12   15
4. 4   8   12   16   20
5. 5   10   15   20   25
6. 10   20   30   40   50
7. 12   14   16   18   20
8. 100 200 300 400 500
9. 5   7   9   11   13
10. 11 22   33   44   55

III. Answer the following

1. Write any 2 object in black and white pattern
   - Chess board
   - Foot ball

UNIT – 4 MEASUREMENT

I. Fill it/ Choose it :

1. The greater length are measured in <u>metre</u>
2. The smallest length are measured in <u>centimetre</u>
3. <u>Photo frame</u> is measured in centimetre
4. <u>Saree</u> is measured in metre.

II. Write the unit to measure the following objects:

1. Class room   -   metre
2. Book   -   centimetre
3. Blackboard   -   metre
4. Pen   -   centimetre
5. Table   -   metre

III. write the short form of the standard units:

1. Metre   -   m
2. Centimetre   -   cm
3. Kilometre   -   km
4. Gram   -   g
5. Kilogram   -   kg
6. Litre   -   l
7. Milli litre   -   ml

IV. Circle the odd one:

1. Cubit   Pace   (Litre)

2. Hand span   (Book)   Foot span

3. Metre   centimetre   (gram)

4. (Play ground)   Pencil   Eraser

V. write the relationship between metre and centimetre

- 1 metre = 100 centimetre

UNIT – 5   TIME

I. Days of a week:

1. Sunday
2. Monday
3. Tuesday
4. Wednesday
5. Thursday
6. Friday
7. Saturday

II. Months of a year :

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9 . September
10. October
11. November
12. December

III. Fill it/ Choose it:

1. There are 7 days in a week.
2. Sunday is the first day of a week.
3. There are 12 months in a year.
4. January is the first month of a year.
5. December is the last month of a year
6. February month has 28 or 29 days.

IV. Write the measurement of time:

1. 1 minute   -   60 seconds
2. 1 hour   -   60 minute
3. 1 day   -   24 hour
4. 7 days   -   1 week
5. 4 weeks   -   1 month
6. 12 months   -   1 year
7. 365 days   -   1 year

V. Circle the odd one:

1. (Sunday)   January   March

2. Minutes   Seconds   (Friday)

3. Wednesday   Friday   (centimetre)

4. Summer   (week)   Rainy

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UNIT – 6   TIME

I. Answer the following:

1. Write the possible ways of keeping 6 chocolates in two boxes.

Number of ways	Number of chocolates	
	Box - 1	Box – 2
1	0	6
2	1	5
3	2	4
4	3	3
5	4	2
6	5	1
7	6	0

2. Write the possible ways of keeping 5 toys in two basket

Number of ways	Number of toys	
	Box - 1	Box – 2
1	0	5
2	1	4
3	2	3
4	3	2
5	4	1
6	5	0