# **Annual Examination 2016**

# Subject : Math's (E.M.)

## **Class : VI**

Time : 3 hrs								MM : 100		
Q.1	Select the correct option and write-									
	(i)	The successor of the number – 396 is-								
	(a)	- 397	(b)	397	(c)	395	(d)	- 395		
	(ii)	A watch was bought for ` 550 and it was sold for ` 627. The percentage of the profit or loss will be-								
	(a)	14% profit	(b)	15% loss	(c)	14% loss	( d)	15% profit.		
	(iii)	The algebraic expression for the difference of one third of x and Z will be-								
	(a)	3x-z	(b)	x-3z	(c)	$\frac{x}{3}-z$	( d)	$x-\frac{2}{3}$		
	(iv)	The perimeter of an equilateral triangle whose side is 7cm, will be-								
	(a)	Equal to the perimetre of a squre whose side is 7cm.								
	(b)	Less than the perimetre of a squre whose side is 7cm.								
	(c)	More than the perimetre of a squre whose side is 7cm.								
	(d)	Half of the perimetre of a squre whose side is 7cm.								
Q.2	Fill in	n the blanks- (5								
	(i)	9005 + 525 = + 925								
	(ii)	2415 + = 530 + 2410								
	(iii)	235 + 0 =								
	(iv)	$345 + (55 + 145) = (345 + \dots) + 145$								
	(v)	$(57 + \dots) + 100 = \dots + (43 + 100)$								

#### Match the following-Q.3

(i)	Big four digit no.	1
(ii)	Small whole no.	1 to start.
(iii)	Rational no.	999
(iv)	Natural no.	1/2
(v)	Small natural no.	0

#### Find the sum of the following addition-Q.4

- (418 + 232) + 132(a)
- 2530 + (370 + 70)(b)
- 637 + 908 + 363(c)
- 125 + 375 + 448(d)
- (e) 3978 + 2312
- (f) 518 + 336

#### Multiply by using suitable rearrangement (Any 5) **O.5**

- (i) 2 X 37 35 X 50
- 4 X 25 X 666 (ii)
- (iii) 8 X 298 X 125
- Multiply the greatest five digit number with the smallest number of the digits. (iv)
- Quotient and remainder. (v)
- (a) 7777 ÷ 55
- Find the value-(vi)
- $120 20 \div 2$ (a)

#### **Q.6** Express the ratio in simplest form-

- (1) Salim bought from Jhabua the following fruits from the shop of fruit seller on ()
- (1) 175:425 85:255 (ii)

0

(25)

(iii) Write the power of X in each term of the algebraic expression-

 $3x^2 - 2xy + 4y^2x3$ 

(iv) Add the following 3 algebraic expressions –

$$x^3 - 3x^3$$
,  $2\chi^3 - 4\chi^3$ 

- (v) Subtract-
  - 5a 3b from 2a + b 2
- (vi) Simplify-

(a)  $23\chi^4 - 15\chi^4$  (b) -15ab - 3ab

### Q.7 Solve the equation-

- (i) 3y-6=18 (ii) 7a+8=43
- Q.8 The sum of a number and 5 is 9 find the number.

### OR

Write the names of lines in the given figures-



(Fig- 1)

(Fig-2)

### Q.9 Write the name of all line segments in given figure-



0



OR

Give four examples of line segments from your environments.

- Q.10 Find the supplement of each of the following angles-
  - (i)  $70^{\circ}$  (ii)  $90^{\circ}$  (iii)  $50^{\circ}$

### OR

The three angles of a triangle are equal to one another. what is the measure of each angle?

- Q.11 Draw a angles (use a protector)
  - (i)  $45^0$  (b)  $20^0$

### OR

Find the per miters of rectangles whose lengths and breadths are given.

(i) 10 cm., 3cm. (ii) 6cm., 4cm.