

Atomic Energy Education Society
Annual Examination 2019-2020

Class VI

Time: 3 hrs

Subject : Mathematics**Maximum Marks : 80****General Instruction :**

- 1) Answer **all** the questions.
- 2) There are **Four** Sections:
Section-A contains **6** questions, **1** Mark each
Section-B contains **6** questions, **2** Marks each,
Section-C contains **10** questions, **3** Marks each
Section-D contains **8** questions, **4** Marks each.
- 3) Draw the **rough margin** on the **right hand side** of the paper
- 4) **Avoid** cuttings, mistakes, overwriting and usage of Whitener.
- 5) Write **neatly** and **legibly**. Draw a line after completing the answer for the question.

SECTION – A

(Each question carries one mark)

1. 0.06 in its simplest fraction is
 (a) $\frac{3}{50}$ (b) $\frac{6}{25}$ (c) $\frac{3}{25}$ (d) $\frac{3}{5}$ 1
2. If $\frac{x}{6} = 1$ then the value of x is
 (a) 1 (b) 2 (c) 3 (d) 6 1
3. 2 m 2 cm = _____ m.
 (a) 2.2 (b) 2.02 (c) 2.002 (d) 22 1
4. The perimeter of an equilateral triangle of side 5 cm is
 (a) 10cm (b) 15 cm (c) 30cm (d) 5cm 1
5. The ratio of 90 cm to 1.5 m is
 (a) 3 : 5 (b) 5 : 3 (c) 3 : 4 (d) 6 : 1 1
6. Which of the following has exactly three lines of Symmetry?
 (a) Rectangle (b) Isosceles triangle (c) Equilateral triangle (d) Square 1

SECTION – B

(Each question carries two marks)

7. If the cost of 15 pencils is Rs. 75. How many pencils can be purchased in Rs. 130? 2
8. Write the equation for the statements:
- a) One fourth of a number 'p' minus 4 gives 4.
 - b) Sum of 'a' and 'b' subtracted from their product gives 10. 2
9. Draw a circle of radius 5 cm and mark points A and C such that 2
- (i) C is the centre of the circle.
 - (ii) A is on the circle.
10. Write the following as decimals : 2
- (i) $3 + \frac{7}{10} + \frac{5}{100}$ (ii) Two hundred five and five hundredths.
11. Find the perimeter of a rectangle of length 150 cm and breadth 1m 2
12. The pictograph shows different subject books kept in a library : 2

Subject	Number of books	■ = 100 Books
English	■ ■ ■ ■ ■ ■ ■	
Hindi	■ ■	
Mathematics	■ ■ ■ ■	
History	■ ■ ■ ■ ■	
Science	■ ■ ■	

- (i) How many Mathematics books are there in the library?
- (ii) Which subject has the maximum number of books.?

SECTION – C

(Each question carries three marks)

- 13.i) Find the value of $2p + 5$ if $p = 2$
- ii) Find the value of n if $n + 6 = 11$
- iii) Check, if $m = -1$ is a solution of $2m + 3 = -1$ 3

