



## RAMAGYA SCHOOL, NOIDA

VII /Cyber /2017-18

### Olympiad Practice Worksheet

#### LOGICAL REASONING

- A zoo had 17 tigers. All but eight died. How many was left with the zoo?
  - Nil
  - 8
  - 9
  - 17
- Armaan walks 30 metres towards south. Then, turning to right, he walks 30 metres. Then, turning to his left, he walks 20 metres. Again, he turns to his left and walks 30 metres. How far is he from his initial position ?
  - 20m
  - 50m
  - 80m
  - 60m
- Fill in the blank of the statement given below.  
70 has \_\_\_\_\_ factors.
  - 2
  - 4
  - 6
  - 8
- Which of the following digits makes the given statement true?  
6,06,19\_ is divisible by 9.
  - 3
  - 6
  - 5
  - 8
- The number 6,86,215 is written as 6,90,000 after it has been rounded off to
  - nearest ten
  - nearest hundred
  - nearest thousand
  - nearest ten thousand

6. A picture is copied onto a sheet of paper 8.5cm by 10cm. A 1.5cm margin is left around it. What area in square cm does the picture cover?

- a. 65
- b. 59.5
- c. 49
- d. 38.5

7. The numbers 97, 89, p, q, r, s, 67 are all prime numbers arranged in descending order. Among these, which alphabet represents the number 79?

- a. p
- b. q
- c. r
- d. s

8. How many numbers between 200 and 400 meet one or both of the conditions given in two statements below?

Statement 1: The number begins with 3

Statement 2: The number ends with 3

- a. 20
- b. 60
- c. 100
- d. 110

9. A monkey ascends from a pole 20 m high. In the 1st minute it ascends 5 m and in the next minute it descends 3 m. If he continues like this, how long will it take to reach the top of the pole?

- a. 10 mins
- b. 17mins
- c. 20mins
- d. 21mins

10. If  $\#X$  is defined as the largest integer which is less than X, what is the value of

$$(\#3) + (\#4) + (\#4.5) = ?$$

- a. 9
- b. 10
- c. 11
- d. 11.5

1. Among the following, which one is the fastest computer?

- a. Super computer
- b. Mainframe computer
- c. Mini computer
- d. Laptop

2. Full form of ATM is

- a. Automatic Teller Machine
- b. Automated Teller Machine
- c. Auto Tele Machine
- d. Automated Teller Money

3. Which among the following is a valid Binary number?

- a.  $11001_2$
- b.  $10110_8$
- c.  $10001_{16}$
- d.  $11100_8$

4. The largest digit present in the hexadecimal number is

- a. 2
- b. 8
- c. 16
- d. 7

5. The radix of Octal number is

- a. 2
- b. 4
- c. 6
- d. 8

6. Printed information is also known as

- a. Hard copy
- b. Softcopy
- c. Printer
- d. Scanner

7. This is the permanent memory of the computer

- a. RAM
- b. ROM
- c. Harddisk
- d. Pendrive

8. Optical devices use \_\_\_\_\_ to store and retrieve information from the disk

- a. Light
- b. Laser
- c. Toner
- d. Ink

9. A worksheet consist of \_\_\_\_\_ and columns

- a. Rows
- b. Lines
- c. Cells
- d. Boxes

10. The bar that displays the active cell is called the \_\_\_\_\_

- a. Menu bar
- b. Formula bar
- c. Title bar
- d. Tool bar