RAMAGYA SCHOOL, NOIDA
VIII/CYBER/2018-19
OLYMPIAD PRACTICE WORKSHEET

1. A farmer has 100 animals out of which 5 10 are dairy cows; 2 10 of dairy cows are cattle. How many cattle he has?

 a. 70   b.50   c.60   d.10

2. A bowler took 9 wickets for 725 runs, and then his average score per wicket is _

a. 80.56   b. 70.86   c.7.56   d.8.56

3. If 3a and 2b denote the length and breadth of a rectangle, then its perimeter is:

a. 3a+2b   b. a+b   c. 2(a+b)   d. 6a+4b

4. What is the HCF of 96 and 64?

a. 32   b. 34   c. 16   d. 8

5. The sum of all the factors of 10 is _____

a. 4   b. 18   c. 10   d. 14

6. 'Match' is related to `Victory' in the same way as `Examination' is related to:

a. Write   b. Appear   c. Success   d. Attempt

7. If in a certain language, GRASP is coded as BMVNK, which word would be coded as CRANE?

 a. FUDQH   b. HWFSJ   c. GVERI   d. XMVIZ

8. Choose the wrong terms in the following number series: 169, 144, 120, 100, 81

a. 81   b. 100   c. 120   d. 144

9. Shyama says that father of Rajiv's father is my father. How is Shyama related to Rajiv?

a. Aunt   b. Sister   c. Mother   d. Bua (Father's Sister)

10. If in a certain code '56431' is written as 'RSHTU' and '98270' as 'MLKPA', then how will '9517 be written in the same code?

a. MURP   b. MRUP   c. MRPU   d. MRPT

11. Which of the following are primitive types?

a. byte   b. String   c. integer   d.Float

12.What is the range of the char type?

a. 0 to 216   b. 0 to 215   c. 0 to 216 -1   d. 0 to 215 -1

13.What is the value of 111 % 13?

a. 3   b. 5   c. 7   d. 9

14.The for loop repeats a set of statements a certain number of times until a condition is matched.

a)True   b)False

15.Which of the following features are common to both Java & C++?

A.The class declaration   b.The access modifiers

c.The encapsulation of data & methods with in objects   d.The use of pointers

16.Which of the following statements accurately describe the use of access modifiers within a class definition? a.They can be applied to both data & methods

b.They must precede a class's data variables or methods

c.They can follow a class's data variables or methods

d.They can appear in any order

e.They must be applied to data variables first and then to methods

17.variable it stores?

a.Each new object has its own distinctive set of instance variables

b.Each object has a copy of the instance variables of its class

c.the instance variable of each object are seperate from the variables of other objects

d.The instance variables of each object are stored together with the variables of other objects

18.Which of the following can be referenced by this variable?

a.The instance variables of a class only   b.The methods of a class only

c.The instance variables and methods of a class

19.When may a constructor be called without specifying arguments?

a. When the default constructor is not called

b. When the name of the constructor differs from that of the class

c. When there are no constructors for the class

20. Which are keywords in Java?

a. NULL   b. sizeof   c. friend   d. extends

e. synchronized