



RAMAGYA SCHOOL, NOIDA

VIII /Cyber /2017-18
Olympiad Practice Worksheet

LOGICAL REASONING

1. Pointing towards a person, a man said to a woman, " His mother is the only daughter of your father". How is the woman related to that person?

- a. Daughter
- b. Sister
- c. Mother
- d. Sister-in-Law

2. What is the value of x in the given equation ?

$$(3x - 8)(3x + 2) - (4x - 11)(2x + 1) = (x - 3)(x + 7)$$

- a. 2
- b. 4
- c. 3
- d. 5

3. What is the average of the sixth even number, fifth and eighth odd number after 200?

- a. 210
- b. 211
- c. 212
- d. 213

4. Kareena is on the fifth floor of a building. Her car is in the parking garage which is three levels below the ground floor. She gets in the elevator and travels from the fifth floor above ground level to the third floor below ground level. How many floors did she travel ?

- a. 7
- b. 6
- c. 4
- d. 8

5. If CIRCLE is written as RICELC than SQUARE is related to _____?

- a. QSUERA
- b. QUSERA
- c. UQSAER
- d. UQSERA

6. If the seventh day of the month is three days earlier than Friday, what day will it be on the nineteenth day of the month?
- Sunday
 - Monday
 - Wednesday
 - Friday
7. Average of 10 numbers is 15. Average of first 6 numbers is 20, and that of the last 5 is 18 then what is the 6th number?
- 50
 - 60
 - 70
 - 80
8. A person is standing on the stair case. He walks down 5 steps, 3 steps up , down 4 steps, up 4 steps, up 6 steps and down 2 steps. Where is he standing now if he started at step 3.
- 2 steps up
 - 2 steps down
 - 1 step up
 - 1 step down
9. If 453945 stands for DECIDE, then decode 8978
- BHEE
 - CDEH
 - GHEE
 - HIGH
10. Which of the following are real numbers?
- 10
 - 6
 - 0
 - $\frac{9}{7}$

COMPUTER SCIENCE

1. Which of the following is not an advantage of network?
- Speed
 - Cost effectiveness
 - Has its own brain
 - Centralized software management

2. PAN stands for

- a. Privileged Area Network
- b. Personal Area Network
- c. Personal Active Network
- d. Personal Area Network

3. A networking device that is used to connect several computer together in a network

- a. Hub
- b. Repeater
- c. Router
- d. Bridge

4. The number of records in a table is called

- a. Degree
- b. Cardinality
- c. Tuple
- d. Attributes

5. In case, there are more than one field that can be assigned as a primary key , than that key is known as

- a. Foriegn key
- b. Primary key
- c. Alternate key
- d. Candidate key

6. A row in a table is technically called a

- a. Tuple
- b. Field
- c. Degree
- d. Attribute

7. _____ - is a candidate key that does not form a primary key

- a. Alternate Key
- b. Foreign key
- c. Primary key
- d. Unique key

8. A database can contain multiple tables with the same name. Is this true or false?

- a. True
- b. False

9. We can add and remove rows from the existing table using the Insert and Delete option?

- a. True
- b. False

10. Two or more tables can be connected with each other using relationships, like one-to-one etc.

- a. True
- b. False