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**ADMISSION TEST**

**FOR CLASS XI**

**(COMPUTER SCIENCE (ICS)**

**SAMPLE QUESTIONS**

Choose the correct option.

1. The Binary number system has base \_\_\_\_\_\_\_\_\_\_\_\_\_
   1. 2 b). 5 c). 8 d). 10
2. Binary language is a \_\_\_\_\_\_\_\_\_\_\_ language.
   1. High level b). Low level c). Both A&B d). None of above
3. Medium is the Physical path that connects sender and \_\_\_\_\_\_\_\_\_\_\_\_\_.
   1. Message b). Cable c). RAM d). Receiver
4. \_\_\_\_\_\_\_\_ is a language to create WebPages.
   1. C b). ++ c). HTML d). Visual Basic
5. Computer \_\_\_\_\_\_\_\_\_ are written in Languages called programming languages.
   1. Hardware c). Programs c). Devices d). Cables

**Mathematics**

**SAMPLE QUESTIONS**

Conjugate of a+ is

* 1. –a + b. - c. a- d. –a -

1. Order of Square matrix is
   1. 1-by-1 b. 2-by-2 c. 2-by-1 d. 1-by-2
2. Number of methods to solve quadratic equation is
   1. 1 b. 2 c. 3 d. 4

4. What is quadratic equation and give example in general form

5. Sin2 + Cos2 =\_\_\_\_\_\_\_\_\_\_

1. 1 b. 2 c. -1 d.-2

**CHEMISTRY**

**SAMPLE QUESTIONS**

1. Which one of the following is Lewis acid.
   1. NH3 b. H2O c. NaOH d. BF3
2. The number of periods in periodic table are \_\_\_\_\_\_\_\_\_\_\_\_.
   1. 5 b. 6 c. 7 d. 8
3. The chemical formula of alcohol is:-
   1. CH3-O-CH3  b. CH3 CH2 OH c. CH3-NH2 d.CH3-CH2-CI

4. Which one is most electronegative element in the periodic table:-

1. N b. O c. F d. C

5. Which compound has ionic bond :-

1. H2O b. HCI c. NaCI d.CO2

**BIOLOGY**

**SAMPLE QUESTIONS**

**Choose the correct One**

1. What is the main function of the cell membrane?
   1. Provide energy to the cell.
   2. Transport Oxygen in Blood
   3. Control movement of Substances in & out of cell.
   4. Store genetic information
2. Centrioles are mainly found in
   1. Plant cells
   2. Fungi
   3. Animal cells
   4. Prokaryotic cells.

3. What does the term “biodiversity” refer to?

a. The number of humans on Earth.

b. The variety of species in a specific area.

c. The amount of pollution in an environment.

d. The number of trees in a forest.

4. Which components make up a nucleotide?

a. Sugar, Phosphate, nitrogenous base.

b. Amino acid, Sugar, nitrogenous base.

c. Fatty Acid, phosphate, nitrogenous base.

d. Protein, Sugar, nitrogenous base.

5. Prosthetic groups are:-

a. Required by all enzymes.

b. Protein in nature

c. Loosely attached with enzymes

d. Tightly bound to enzyme.