

## SAMPLE QUESTIONS

### BIOLOGY

1. Binomial Nomenclature is a system of naming organisms with  
A) generic and specific epithets      B) only generic epithet      C) only species epithet      D) numeric epithet
2. Which of these is not a cell organelle?  
A) Ribozymes      B) Ribosomes      C) Nucleus      D) Mitochondrion
3. Fusion of two dissimilar gametes is called  
A) allogamy      B) autogamy      C) fertilization      D) dichogamy
4. Maize is a diploid organism with 10 pairs of chromosomes. How many chromosomes and chromatids are present in the metaphase stage of cell division?  
A) 20 chromosomes and 40 chromatids      B) 40 chromosomes and 20 chromatids      C) 40 chromosomes and 40 chromatids      D) 20 chromosomes and 20 chromatids
5. A disease that can be transmitted by an infectious agent from one individual to another is called  
A) epidemic      B) pandemic      C) communicable disease      D) coma
6. Histidine, Leucine, Methionine are examples of  
A) non-essential amino acids      B) essential amino acids      C) moderately essential amino acids      D) very essential amino acids
7. Blood plasma from which the clotting protein fibrinogen has been removed is called  
A) berum      B) rerum      C) serum      D) ferum
8. Which of the following is not essential element for plants?  
A) Iron      B) Zinc      C) Potassium      D) Iodine
9. *Bacillus thuringiensis* (Bt) strains have been used to design novel  
A) biofertilizers      B) bio-mineralization processes      C) bio-insecticidal plants      D) bio-metallurgical techniques
10. Which one of the following is not a pollutant?  
A) Hydrocarbon      B) Carbon dioxide      C) Carbon monoxide      D) Sulphur dioxide

