VITEEE Sample Questions

BIOLOGY

1. Which of the following does not show segmented body plan?

   A) Arthropods B) Annelids C) Echinoderms D) Chordates

2. Synapsis occurs between

   A) mRNA and ribosomes B) spindle fibre and centromere

   C) two homologous chromosomes D) two heterologous chromosomes

3. Gastrula has a pore which is known as

   A) zoospore B) oospore C) blastopore D) gonophore

4. The human genetic disorder caused by the presence of an extra X chromosome is called

   A) Klinefelter syndrome B) Down syndrome C) Turner syndrome D) Marfan syndrome

5. Interferon is a

   A) fat B) protein C) carbohydrate D) nucleic acid

6. The protein moiety of an enzyme is called as

   A) apoenzyme B) coenzyme C) cofactor D) holoenzyme

7. Which one of the following is not correct with C4 plants?

   A) The primary acceptor of CO_2 is a 3 carbon compound

   B) The first stable product is a 4-carbon compound

   C) Two different cell types are involved

   D) Photorespiration occurs frequently

8. Oxygen binding affinity to the haemoglobin is

   A) decreased by increase in pH B) increased by increase in pCO_2

   C) increased by increase in pO_2 D) not affected by change in pH, pO_2 and pCO_2

9. Which one of the following techniques cannot be used for the measurement of organic matter in sewage?

   A) Chemical oxygen demand (COD) B) Biochemical oxygen demand (BOD)

   C) Total organic carbon (TOC) D) Membrane filtration technique (MFT)

10. Study of population ecology is called

    A) autecology B) demecology C) demography D) ethology