

VITEEE - 2018 - SAMPLE QUESTIONS

BIOLOGY

- Which of the following protozoans live in guts of termites and help them to digest cellulose?
A) *Plasmodium* B) *Amoeba proteus* C) *Trichonympha* D) *Trypanosoma*
- The function of centromere is to
A) move the chromosomes B) divide the centrosomes C) form nuclear spindle D) form spindle fibers
- An embryo sac in higher plants at maturity has
A) 4 nuclei B) 7 nuclei C) 8 nuclei D) one nucleus
- Gene assort independently from one another. How many genotype can be produced if the number of heterozygous gene pairs is four?
A) 4 B) 8 C) 81 D) 64
- Which deficiency in humans causes Alzheimer's disease?
A) GABA B) Dopamine C) Acetylcholine D) Glutamic acid
- In Lineweaver-Burk plot, the Y intercept represents
A) V_{max} B) K_m C) $1/V_{max}$ D) $1/K_m$
- Which one of the following doesn't play any role in photosynthesis?
A) Phycocyanin B) Xanthophylls C) Phycoerythrin D) Anthocyanin
- Fertilizin is a chemical substance produced from
A) mature eggs B) acrosome C) polar bodies D) middle piece of sperm
- Introduction of DNA into the bacteria by exposing the cells to millisecond jolts of tens of thousands of volts is
A) electro fusion B) electro fission C) electrolysis D) electroporation
- Which of the following is not a functional unit of ecosystem?
A) Productivity B) Energy flow C) Stratification D) Decomposition