

TERM-II

QUESTION PAPER (SAMPLE-2)

Class: XI

Subject: Biology

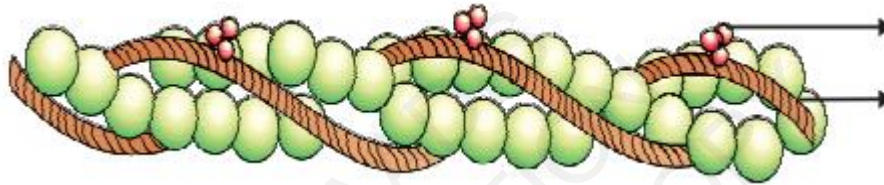
Time Allowed-2 Hours

Max.Marks.:35

Section-A

1*4= 4 Marks

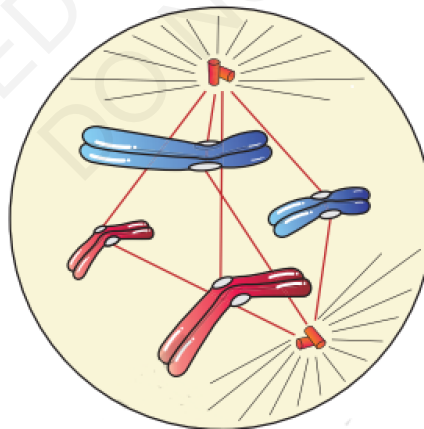
1. It is said that the one cycle of cell division in human cells (eukaryotic cells) takes 24 hours. Which phase of the cycle, do you think occupies the maximum part of cell cycle?
2. Which tissue of animals and plants exhibits meiosis?
3. Distinguish between open and closed circulatory system.
4. Label the different components of actin filament in the diagram given below.



Section-B

3*7=21 Marks

1. Label the diagram and also determine the stage at which this structure is visible.



2. Explain how during light reaction of photosynthesis, ATP synthesis is a chemiosmotic phenomenon.
3. Photosynthetic organisms occur at different depths in the ocean. Do they receive qualitatively and quantitatively the same light? How do they adapt to carry out photosynthesis under these conditions?
4. Oxygen is an essential requirement for aerobic respiration but it enters the respiratory process at the end? Discuss.

5. What is the mechanism underlying the phenomenon by which the terminal/apical bud suppresses the growth of lateral buds? Suggest measures to overcome this phenomenon.
6. Comment upon the hormonal regulation of selective reabsorption.
7. George comes on a vacation to India from US. The long journey disturbs his biological system and he suffers from jet lag. What is the cause of his discomfort?

Section- C

5*2= 10 Marks

1. Explain the transport of O₂ and CO₂ between alveoli and tissue with diagram.

OR

Explain different types of blood groups and donor compatibility by making a table.

2. Explain the process of the transport and release of a neurotransmitter with the help of a labelled diagram showing a complete neuron, axon terminal and synapse.

© PRAADIS
EDUCATION
DO NOT COPY