

Mar Thoma Residential School, Thiruvalla

First Assessment Exam - 2020- 2021

Biology

Std: IX

Marks 20

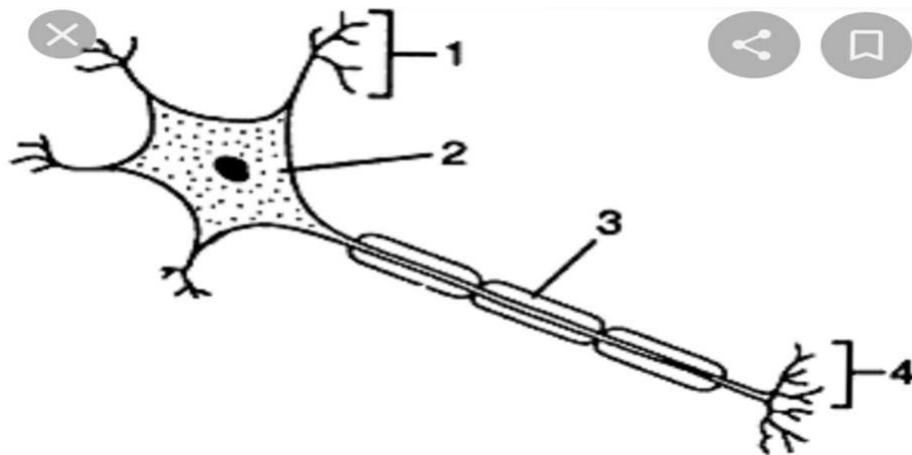
Time 30 minutes

Question 1

- a. Define the following (4)
- i. Herkogamy
 - ii. Double fertilization
 - iii. Neuter flower
 - iv. Protoplasm
- b. Give the exact location of the following (2)
- i. Nectaries
 - ii. Areolar tissue
- c. Give any one function for each of the following (2)
- i. Nucellus
 - ii. Micropyle
- d. Differentiate between each of the following pairs of terms on the basis of what is given in the bracket (4)
- i. Dichogamy and Homogamy (Explain the terms)
 - ii. Wind pollination and insect pollination (Nature of stigma)
 - iii. Monoecious plant and Dioecious plant (Examples)
 - iv. Blood and Lymph (Components)
- e. Note the relationship between the first two words and suggest suitable word or words for the fourth place (3)
- i. Ovule: Seed :: Ovary wall : _____
 - ii. Cytoplasm: Cell membrane :: Vacuole : _____
 - iii. Chloroplast: Photosynthesis :: Ribosomes : _____

Question 2

- a. Given below is diagram of a cell forming a tissue in animals. Study the diagram and based on that answer the questions that follow (5)



- i. Identify the tissue. What is its function?
- ii. Label the parts 1 to 4.
- iii. Give the functions of the following
 - A. Cuboidal tissue.
 - B. Sclerenchyma cells
- iv. Explain the terms given below
 - A. Meristematic tissue.
 - B. Permanent tissue

(2)