

A COMMON FIRST MID TERM TEST - 2023Standard - XI
BIOLOGY

Reg.No.

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Time: 1.30 hrs.

Marks: 50

BIO - BOTANY

Marks: 25

PART - A**I. Choose the correct answer:**

5×1=5

- Identify the incorrect statement about the Gram Positive bacteria
 - Teichoic acid absent
 - High percentage of Peptidoglycan is found in cell wall
 - Cell wall is single layered
 - Lipopolysaccharide is present in cell wall.
- _____ are Considered as " Biological Puzzle".
 - Mycoplasma
 - Actinomycetes
 - Viruses
 - bacteria
- Which of the plant group has gametophyte as a dominant phase?
 - Pteridophytes
 - Bryophytes
 - Gymnosperms
 - Angiosperm
- Who is called Father of Indian Palaeobotany
 - Prof. Birbal sahani
 - Shiv Ram Kashyap
 - M.O. Parthasarathy
 - E.J. Butler
- Which of the following is polycarpic plant?
 - Mangifera
 - Bambusa
 - Musa
 - Agave

PART - B**II. Answer any three questions:**

3×2=6

- Define plasmid.
- What is plactostele? give example.
- What is phyllotaxy?
- Differentiate homaiomerous and heteromerous lichens.
- What are called root climbers? give example.

PART - C**III. Answer any Three Questions. (Q.No.13 is Compulsory)**

3×3=9

- Write the distinguishing features of Monera.
- Do you agree with the statement "Bryophytes need water for fertilization? Justify your answer.
- Draw and label the parts of region of root.
- Write the importance of Mycorrhiza.
- What is amber? Which group of plants produces Amber?

PART - D

1×5=5

IV. Answer in Detail:

- Write the steps involved in Gram staining.
Explain Tap root modification with diagram.

(OR)

2

XI - BIOLOGY

BIO - ZOOLOGY

Marks: 25

SECTION - I

I. Choose the correct answer:

5×1=5

- A group of organisms having similar traits of a rank is
 - species
 - Taxon
 - Genus
 - Family
- Which of the following is not correctly paired?
 - Humans - ureotelic
 - Birds - uricotelic
 - Lizards - Uricotelic
 - Whale - Ammonotelic
- The Excretory cells that are found in platyhelminthes are
 - Protonephridia
 - Flame cells
 - Solenocytes
 - All of these
- Prevention of substances from leaking across the tissue is provided by
 - Tight Junction
 - Adhning junction
 - Gap Junction
 - Elastic Junction
- The type of vision in cocuroach is
 - Three dimensional
 - Two dimensional
 - Mosaic
 - Cocuroach do not have vision

SECTION - II

II. Answer any three of the following:

3×2=6

- What is meant by extremophiles?
- What is the role of charles Darwin in relation to Concept of species?
- Define haemocoel?
- Write any two function of Connective tissue?
- What characteristics are used to identify the earthworm?

SECTION - III

III. Answer any three of the following. (Q.No. 13 Compulsory)

3×3=9

- List any three salient features of the family Felidea.
- List the Characteristic features that distinguish Cartilaginous fishes with living Jawless fishes.
- Why blood is considered as a typical connective tissue.
- Who the earthworm are considered as friends of Farmers?
- Write the morpholosophical structure of Cocuroach.

SECTION - IV

IV. Answer all the questions:

1×5=5

- Compare chordates with Non- chordates.
Write any five character of phylam porifora.

(OR)