

FM

FIRST MID TERM TEST - 2023

TIME : 1.30 HRS

11 - STD

BIOLOGY

MARKS : 35

BIO - BOTANY - MARKS : 18 (SECTION - A)

- I. Answer all questions:- Choose the best answers:- 3 × 1 = 3.
- Identify the Archaeobacterium.
a) Actebacter b) Erwinia c) Treponema d) Methanobacterium.
 - Endosperms in gymnosperms is formed
a) At the time of fertilization b) Before fertilization
c) After fertilization d) Along with the development of embryo.
 - Bryophyllum and Dioscorea are example for
a) foliar bud, apical bud b) foliar bud, cauline bud.
c) cauline bud, apical bud. d) cauline bud, foliar bud

SECTION-B

- II. Answer any Two Questions:- 2 × 2 = 4
- What is virion?.
 - Bryophytes need water for fertilization?. Justify your answer.
 - Draw and label the parts of region of root. 7. What is meant by Phyllotaxy.

SECTION - C

- III. Answer any Two Questions :- Q.No. 8 is Compulsory . 2 × 3 = 6
- What is meant by capnophilic bacteria.
 - What is plectostele? Give example.
 - How root climbers differ from stem climbers?.
 - Do you think shape of chloroplast is unique for algae, justify your answer?.

SECTION - D

- IV. Answer the Detailed Questions :- 1 × 5 = 5
- a) Give an general account on lichen. (OR)
b) List out the differences between gymnosperms and angiosperms.

BIO - ZOOLOGY

PART - A

- I. Choose the best answer. 2 X 1 = 2
- Metameric segmentation is the main feature of phylum
a) Annelida b) Echinodermata
c) Arthropoda d) Aschelminthes
 - Kidney of frog is
a) Archinephros b) Pronephros
c) Mesonephros d) Metanephros

PART - B

- II. Answer any two questions. 2 X 2 = 4
- Define Species.
 - Compare closed and open circulatory system.
 - What is Clitellum? Mention its significance.
 - What is heterodont dental system? Write down the human dental formula.

PART - C

- III. Answer any two questions. 2 X 3 = 6
- Briefly describe about the types of symmetry.
 - Write short notes on the type of junctions.
 - Cockroaches survive with out a head justify.
 - Mention any three functions of liver.

PART - D

- IV. Answer the following Questions. 1 X 5 = 5
- a) Explain the rules of nomenclature. (OR)
b) Compare the characteristics of chordates and non - chordates.

FM 11 - உயிரியல் ஒரு பக்கம்

