

# FIRST MID TERM TEST - 2024

## Standard - XI

**Time : 1.30 hrs**

**BIOLOGY**

**Marks: 50**

**Bio-Botany**

**Marks: 25**

**Part - A**

**I. Answer all the questions.**

**Choose the correct answer and write the option code: 5×1=5**

- 1) \_\_\_\_\_ A prokaryote takes a joy ride on Polar bear
 

a) <i>Aphanocapsa montana</i>	b) <i>Methanobacterium</i>
c) <i>Streptomyces</i>	d) <i>Mycoplasma mycoides</i>
- 2) The dye present in litmus paper used as acid base indicator in the laboratories is obtained from \_\_\_\_\_
 

a) <i>Cladonia rangiferina</i>	b) <i>Trycodesmium erythrayen</i>
c) <i>Chlamydomonos nivalis</i>	d) <i>Rocella montagnei</i>
- 3) Which of the following represents gametophytic generation in Pteridophytes?
 

a) Prothallus	b) Thallus	c) Cone	d) Rhizophore
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- 4) Select the mismatch pair
 

a) <i>Musa</i> - Unicostate	b) <i>Lablab</i> - Trifoliolate
c) <i>Acalypha</i> - Leaf mosaic	d) <i>Allamanda</i> - Ternate Phyllotaxy
- 5) Which one of the following algae is used for sewage treatment
 

a) <i>Laminaria</i>	b) <i>Ascophyllum</i>	c) <i>Chlorella</i>	d) <i>Fucus</i>
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**Part - B**

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

**3×2=6**

- 6) Differentiate homoiomerous and heteromerous lichens.
- 7) List out four types of Ascocarps.
- 8) What is Nectostele? Give example.
- 9) How root climbers differ from stem climbers.
- 10) Write any two primary functions of the stem.

**Part - C**

**III. Answer any three questions. Q.No. 13 is compulsory: 3×3=9**

- 11) Write any three general account on lichens.
- 12) Draw and label the parts of regions of root.
- 13) Give the reasons for the success and dominance of Vascular Plants.
- 14) Do you think shape of chloroplast is unique for algae. Justify your answer?
- 15) Differentiate between Gram negative bacteria and Gram positive bacteria.

**Part - D**

**IV. Answer in detail:-**

**1×5=5**

- 16) Briefly discuss on five kingdom classification.

**[or]**

Write the difference between Gymnosperms and Angiosperms.

(2)  
Bio-Zoology  
Part - A

**XI BIOLOGY**  
Marks: 25

**I. Answer all the questions.**

**Choose the correct answer and write the option code: 5×1=5**

- 1) Who coined the term biodiversity  
a) Walter Rosen    b) Aristotle    c) John Ray    d) Carolus Linnaeus
- 2) The excretory cells that are found in Platyhelminthes  
a) Nephridia    b) Flame cells    c) Solenocytes    d) Green glands
- 3) Pneumatic bones are seen in  
a) Mammalia    b) Reptiles    c) Aves    d) Sponges
- 4) The ciliated epithelium lines the  
a) skin    b) Digestive tract    c) Gall bladder    d) Trachea
- 5) Sexually earthworms are  
a) Sexes are separate    b) Hermaphroditic but not self fertilizing  
c) Hermaphroditic and self-fertilizing    d) Parthenogenic

**Part - B**

**II. Answer any three of the following questions:-**

**3×2=6**

- 6) Write a short note on extremophiles
- 7) What are flame cells?
- 8) What is the function of white Adipose tissue?
- 9) In which phyla is the larva trochopore found?
- 10) What are earthworm casts?

**Part - C**

**III. Answer any three of the following questions.**

**Question No.14 is compulsory:**

**3×3=9**

- 11) Why mule is sterile in nature?
- 12) List three features that characterise bony fishes?
- 13) Some epithelia are pseudostratified. What does this mean.
- 14) Why blood is considered as a typical connective tissue.
- 15) What are three types of nephridia of Earthworms?

**Part - D**

**IV. Answer any one of the following questions in detail: 1×5=5**

- 16) Compare chordates and non-chordates  
List out the rules of Nomenclature.

**[or]**

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