

**A****SECOND REVISION TEST - 2025****Standard - XI****Time: 3.00 hrs****BIOLOGY****Marks:70****Part - I (Bio-Botany)****Marks: 35****Section - I****Answer all the questions:****8x1=8****I Choose the correct answer**

- Agar Agar obtained from \_\_\_\_\_  
a) Ascophyllum    b) Chara    c) Fucus    d) Gelidiella
- Protoplasm was first observed by  
a) Hardy    b) Hugovanmohl    c) Corti    d) Huxley
- The taxonomy which involves the similarities and dissimilarities among the immune system of different taxa is taxa is termed as:  
a) Chemotaxonomy    b) Molecular systematics  
c) Serotaxonomy    d) Numerical taxonomy
- Bryophyllum and Dioscorea are examples for:  
a) Cauline bud, apical bud    b) Foliar bud, apical bud  
c) Cauline bud, foliar bud    d) Foliar bud, Cauline bud
- Stomata of a plant open due to  
a) Influx of  $Cl^-$     b) Influx of  $K^+$     c) Influx of  $OH^-$     d) Efflux of  $K^+$
- \_\_\_\_\_ is a gaseous phytohormone.  
a) Cytokinin    b) Auxin    c) Ethylene    d) Gibberellin
- Identify the Archaeobacterium.  
a) Treponema    b) Acetobacter    c) Methano bacterium    d) Erwinia
- The correct sequence in cell cycle is  
a) M-G-G<sub>2</sub>-S    b) S-M-G<sub>1</sub>-G<sub>2</sub>    c) S-G<sub>1</sub>-G<sub>2</sub>-M    d) G<sub>1</sub>-S-G<sub>2</sub>-M

**Section - II****II Answer any four questions.****4x2=8**

- Mention two characters shared by gymnosperms and angiosperms.
- Draw and Label the parts of regions of root.
- What do you know about NPK fertilizers?
- What is binomial nomenclature. Give an example.
- What are tyloses?
- What is vernalization?

**Section - III****III Answer any three questions. (Q.No. 19 is compulsory)****3x3=9**

- Differentiate tracheids and fibres?
- List out any three functions of Nucleus.
- Give an account of Go phase?
- Write the differences between Sap wood and Heart wood.
- Describe cyathium inflorescence with neat diagram.

**Section - IV****IV Answer all the questions.****2x5=10**

- Write the physiological effects of Cytokinins. (OR)
  - Briefly discuss on five kingdom system of classification. Add a note on its merits and demerits.
- Explain the insectivorous mode of nutrition in angiosperms. (OR)
  - Draw the outline of Bentham and Hooker classification.

(2)

## PART - II (Bio-Zoology)

XI Biology

Marks: 35

## Section - I

## I Choose the correct answer

8x1=8

1. Who coined the term biodiversity?  
a) Walter Rosen      b) AG Tansley      c) Aristotle      d) AP de Candole
2. The limbless amphibian is  
a) Ichthyophis      b) Hyla      c) Rana      d) Salamander
3. Presence of gills in the tadpole of frog indicates that  
a) fishes were amphibious in the past      b) fishes evolved from frog-like ancestors  
c) frogs will have gills in future      d) frogs evolved from gilled ancestor
4. Match Column I with Column II and choose the correct option.  

Column I	Column II
P) Small intestine	i) Largest factory
Q) Pancreas	ii) Absorption of water
R) Liver	iii) Carrying electrolytic solution
S) Colon	iv) Digestion and absorption
a) (P-iv) (Q-iii) (R-i) (S-ii)	b) (P-iii) (Q-ii) (R-i) (S-iv)
c) (P-iv) (Q-iii) (R-ii) (S-i)	d) (P-ii) (Q-iv) (R-iii) (S-i)
5. CO<sub>2</sub> is transported through blood to lungs as  
a) Carbonic acid      b) Oxyhaemoglobin  
c) Carbamino haemoglobin      d) Carboxy haemoglobin
6. Which of following WBCs are found in more numbers?  
a) Eosinophil      b) Neutrophil      c) Basophil      d) Monocyte
7. Malpighian tubules remove excretory products from  
a) mouth      b) Oesophagus      c) haemolymph      d) alimentary canal
8. Which one of the following is not an endemic species of earthworm?  
a) Perionyx      b) Lampito      c) Eudrillus      d) Octochaetona

## Section - II

## II Answer Any four questions.

4x2=8

9. Compare closed and open circulatory system.
10. What are called palmaris muscle?
11. What are the components of blood in frog?
12. Why are Villi present in the intestine and not in the stomach?
13. Tabulate the functions of brain lobes.
14. Write the Symptoms of Cretinism.

## Section - III

## III Answer Any three questions. (Question No.19 is compulsory)

3x3=9

15. Give the economic importance of lac insect.
16. Write 3 types of salivary glands.
17. Why is the blind spot called So?
18. What are the different types of rib bones that form the rib cage?
19. Draw a neat labelled diagram of neuron.

## Section - IV

## IV Answer all the questions:

2x5=10

20. a) Distinguish inspiration and expiration. (OR)
- b) Explain the structure of skeletal muscle.
21. a) Explain the structure of thymus gland with diagram. (OR)
- b) Write the characteristics of cultivable fishes.

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