

**Class : I I**

**UNIT TEST - 2, AUGUST - 2024**

Time Allowed : 1.30 Hours

**BIOLOGY**

(Max. Marks : 40)

**Part - I (Bio-Botany) (Marks : 10)**

**Section - I**

3x1=3

I. Choose the appropriate answer given below

- A True fruit is the one where
  - Only ovary of the flower develops into fruit
  - Ovary and Calyx of the flower develops into fruit
  - Ovary, calyx and thalamus of the flower develops into fruit
  - All floral whorls of the flower develops into fruit
- The Taxonomy which involves the similarities and Dissimilarities among the immune system of different taxa is termed as
  - Chemotaxonomy
  - Molecular Systematics
  - Serotaxonomy
  - Numerical Taxonomy
- Match the Column and identify the correct option
 

Column - I		Column - II	
i) Thylakoids		i) Disc - shaped sacs in Golgi Apparatus	
ii) Cristae		ii) Condensed Structure of DNA	
iii) Cisternae		iii) Flat membranous sacs in Stroma	
iv) Chromatin		iv) Infoldings in Mitochondria	

  

	1	2	3	4
a) ii	iv	iii	i	i
b) iv	iii	i	ii	ii
c) iii	iv	i	ii	ii
d) ii	i	iv	ii	ii

**Section - II**

2x2=4

- Answer any two of the following.
  - Find out the Floral formula for a a bisexual flower with bract, regular, pentamerous, distinct calyx and corolla, superior ovary without bracteole.
  - Where will you place the plants which contain two cotyledons with cup shaped Thalamus?
  - Draw the Floral diagram of *Allium Cepa*
  - Name the 3 types of Cells based on Cellular Organization & Nuclear Characteristics.

**Section - III**

2x3=6

- Answer any two questions. Q.No.10 is compulsory.
  - Write any 3 Economic Importance of Family Fabaceae
  - Differentiate between Aggregate Fruit with Multiple Fruit
  - Draw a neat labelled diagram of the "Powerhouse of a Cell"

**Section - IV**

1x5=5

IV. Answer the following in detail

- (a) Write the Botanical description of *Clitoria Ternata* with the Floral Formula & Diagram  
(OR)  
(b) Distinguish between Prokaryotes and Eukaryotes.

CR/11/Bio/1

**PART - II Bio-Zoology (Marks : 17)****Section - I****I. Choose the most appropriate answer****2x1=2**

1. Each Haemoglobin combines with ----- molecules of Oxygen.

a) 3

b) 2

c) 4

d) 1

2. The type of vision in Cockroach is -----

a) Three dimensional

b) Two Dimensional

c) Mosaic

d) Cockroach do not have vision

**Section - II****II. Answer any two of the following questions.****2x2=4**

3. What are Lateral Hearts?

4. What is GERD? What is the reason for GERD?

5. Write the symptoms of AMS.

6. What are the heart sounds? When and How are these sounds produced?

**Section - III****III. Answer any two questions of the following questions. (Q No. 9 is Compulsory) 2x3=6**

7. Give the Economic Importance of Frog.

8. Name the Salivary glands in Man.

9. What is Erythroblastosis Foetalis? How can it be avoided?

**Section - IV****IV. Answer one of the following questions.****1x5=5**

10 (a) Describe the Functions of Liver.

**(OR)**

(b) Describe the Mechanism of Blood Coagulation.

**CH/II/Bio/2**