

Total No. of Questions: 6

Total No. of Printed Pages: 2



Enrollment No.....

Faculty of Pharmacy

End Sem Examination Dec 2024

PY3RC01 Remedial Biology

Programme: B. Pharm.

Branch/Specialisation: Pharmacy

Duration: 3 Hrs.**Maximum Marks: 35**

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

		Marks	BL	PO	CO	PSO
Q.1	i. What are the different characteristic of living organism?	1	1	1	1	
	ii. Define cardiac output.	1	1	1	2	
	iii. Elaborate the term RAAS.	1	2	1	2	
	iv. Write name of pigment responsible for photosynthesis.	1	1	1	3	
	v. Write name of any four plant growth regulators.	1	1	1	3	
Q.2	i. Describe the anatomy of various types of stems and roots.	6	2	1	1	
OR	ii. Explain about the parts of leaves with their types, margin, bases and apices.	6	2	1	1	
Q.3	i. Discuss the various components of blood with the process of coagulation.	6	2	1	2	
OR	ii. Draw the well labelled diagram of alimentary canal and discuss its physiology.	6	2	1	2	
Q.4	i. Explain how nerve impulses are generated, also draw the chart of nervous system working.	6	2	1	2	
OR	ii. Explain the structure and functions of excretory system.	6	2	1	2	
Q.5	i. What is photosynthesis? Discuss factors affecting photosynthesis.	6	1	1	3	

- OR ii. Write in detail about different micro and macro nutrients with its importance. **6** 2 1 3
- Q.6 i. Classify tissues and write note on any two types. **6** 2 1 4
- OR ii. Draw well labelled diagram of cell with explaining function of its components. **6** 2 1 4

Marking Scheme
PY3RC01 (T) Remedial Biology (T)

Q.1	i.	What are the different characteristic of living organism. Difference = 1 marks	1	Q.6	i.	Classify tissues and write note any two types. Classification = 2 marks, note = 4 marks	6
	ii.	Define cardiac output. Definition = 1 marks	1	OR	ii.	Draw well labeled diagram of cell with function of its components. Well labeled diagram with functions = = 6 marks	6
	iii.	Elaborate the term RAAS. Elaborate = 1 marks	1				
	iv.	Write name of pigment responsible for photosynthesis. Name = 1 marks	1				
	v.	Write name of different plant growth regulators. Names = 0.5 each	1				
Q.2	i.	Describe the anatomy of various types of stems and roots. Description = 6 marks	6				
OR	ii.	Explain about the parts of leaves with their types, margin, bases and apices. Explanation = 6 marks	6				
Q.3	i.	Discuss the various components of blood with the process of coagulation. Discussion = 6 marks	6				
OR	ii.	Draw the well labeled diagram of alimentary and discuss its physiology. Well labeled diagram with physiology = 6 marks	6				
Q.4	i.	Elaborate how nerve impulses are generated , also write the chart of nervous system. Elaboration = 6 marks	6				
OR	ii.	Elaborate the structure and functions of excretory system. Elaboration = 6 marks	6				
Q.5	i.	What is photosynthesis ? What are the factors which affects it ? Definition = 2 marks, factors = 4 marks	6				
OR	ii.	Detail the different micro and macro nutrients with is importance. Details difference of each = 3 marks	6				
