1805E400

Candidate's Seat No:	
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B.Sc. Sem.-2 (Rep.) Examination

CC 3-P-103

Bio-Technology

Time: 2-30 Hours] May-2024 [Max. Marks: 70

Q.1. Draw a labelled diagram of prokaryotic cell. State the structural difference between prokaryotic and eukaryotic cells.	
	(14)
OIA Explain solient footures of solicit	
Q.1.A. Explain salient features of cell theory. Q.1.B. Write a short note on archaea.	(7)
write a short flote on archaea.	(7)
0.2 Explain the types of cyto-le-1.	
Q.2. Explain the types of cytoskeleton structure with neat labeled diagram.	(14)
OR Outling with an average of	
Q.2.A. Outline with an example the process of exoctosis.	(7)
Q-2.B. Write down the structure and functions of plant cell wall.	(7)
O3 Describe the atmosphere agence it is a second of the se	
Q.3. Describe the structure, composition and functions of Nucleus.	(14)
OR OR	
Q.3.A. Explain the ultra-structure of Golgi apparatus.	(7)
Q.3.B. Give an account of the structure and functions of the lysosomes.	(7)
O 4 Discuss the process of Main in 11 11 11 11	
Q.4. Discuss the process of Meiosis with its significance in detail.	(14)
OR OR Write a note on Call source	
Q.4.A. Write a note on Cell senescence.	(7)
Q.4.B. Explain Cell cycle with check points.	(7)
Q.5. Short Questions (Any 7)	
1) Draw diagrammatic procedute:	(14)
1) Draw diagrammatic presentation of Fluid Mosiac model 2) Enlist any two cignificants of the distribution	
2) Enlist any two significance of bacterial cell wall.	
3) Write postulates of protoplasm theory?4) Differentiate SER and RER.	
5) What is Phagacytogia? White it is it is	
5) What is Phagocytosis? Write its significance.6) Define Apoposis.	
7) What is Cell Biology? Who is the father of cell biology?	
8) Write two functions of peroxisomes. 9) Differentiate between bestevia and a second solutions.	
9) Differentiate between bacteria and archaea	
10) What are the two types of tumor? Write their differentiating features.	
11) Give two essential characteristics of cell.	
12) What is thylakoid? State its importance.	