Seat No.:	
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JE-109

January-2016

B.Sc., Sem.-I

CC-3 - Paper-101 : Bio-Technology (The Living World)

Tim	ime: 3 Hours] [Max. Mar		Marks: 70
1.	Answer the following questions: (Any two)		14
	(a)	Explain the concept of Spontaneous Generation and Evidences of its dispr	oval.
	(b)	Write a brief note on Mitochondria.	
	(c)	Explain the concept of Whittaker's five-kingdoms with diagram.	
	(d)	Discuss the theory of cell differentiation.	
2.	Ans	swer the following questions: (Any two)	14
	(a)	Discuss the features of Bryophytes.	
	(b)	Describe Morphogenesis in plants.	
	(c)	Explain outline of kingdom <i>Plantae</i> .	
	(d)	Explain the Vascular plants in detail.	
3.	Answer the following questions: (Any two)		14
	(a)	Summarize the importance of Organs in animals.	
	(b)	Discuss the General Characteristics of animal.	
	(c)	Explain primitive and advanced Marine animals.	
	(d)	Describe organization of animal body.	
4.	Answer the following questions: (Any two)		14
	(a)	Write a short note on Chemistry of Viruses.	
	(b)	Describe General Characteristics of Algae.	
	(c)	Discuss Asexual reproduction in Fungi.	
	(d)	Write a short note on Halophiles.	
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5. Write any **seven**:

14

- (1) Who proposed the cell theory?
- (2) Give the example of red-algae.
- (3) Give the function of Phloem tissue of plants.
- (4) Give the full form of ICTV and CMV.
- (5) Name the causative agent of Kala-azar.
- (6) What are hyphae?
- (7) Define the term Mycology.
- (8) Give any two characteristics of fungi.
- (9) Why bryophytes are known as primitive class?
- (10) Rearrange the order as cell theory:

Organism \rightarrow tissues \rightarrow organs \rightarrow organ systems \rightarrow cells

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