

B.Sc. Semester - 6 (CBCS) Examination**March/April-2026 (NEW COURSE)****Embryology, Evolution, Biostatistics (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Describe the development of 33 hours chick embryo with suitable diagram. 2. Explain regeneration in hydra.	
Que.1(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Explain extra embryonic membranes. 2. Write a short note on types of parthenogenesis.	
Que.1(C)	ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE)	(03)
	1. What is fertilization? 2. type of cleavage occur in embryonic development of chick. 3. Which type of regeneration occur in salamander. 4. What is gastrulation? 5. How many somites are present in 48 hours chick embryo?	
Que.2(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Explain the types of sampling. 2. Write a note on any three Zoogeographical realms.	
Que.2(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Write short note on microevolution. 2. Explain measures of central tendency.	
Que.2(C)	ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE)	(03)
	1. What is gene pool. 2. Calculate the mode of given values: 12,11,16,17,17,17,9,17,19,17. 3. Give any one examples of macroevolution. 4. Calculate the median using given values: 4,5,6,7,8,9 5. What is mean?	
Que.3(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Describe plastic and E-waste disposal. 2. Write a note on Water pollution.	
Que.3(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Write a note on Greenhouse effect. 2. Write a note on Global warming.	
Que.3(C)	ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE)	(03)
	1. Write the name of air pollutants. 2. What is biodegradable waste. 3. List out the names of greenhouse gases. 4. What is acid rain? 5. Ozone depletion done by which gases.	
Que.4(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Describe courtship signal in balloon fly. 2. Explain Imprinting and habituation as learning behavior.	
Que.4(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Write short note on pheromones. 2. Explain persuasion and appeasement in stickleback.	

- Que.4(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. What is classical conditioning ?
 2. Social organization found in which animal community?
 3. Give the example of False information.
 4. What is learning?
 5. What is the primary function of pheromones?
- Que.5(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. What is Ecological Succession? Describe general process of Ecological Succession.
 2. Give detail account of Lithosere.
- Que.5(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Explain any two population characteristics.
 2. Write a note on climax.
- Que.5(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. What is population ecology?
 2. What is natality?
 3. Define Hydrosere.
 4. What is mortality?
 5. Give any two causes of ecological succession.
