



B.SC (ZBC) IV- SEM

ZOOL-221	Animal distribution, evolution and developmental biology
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Last date of Submission - 20/04/2018

Instruction

- 1) Write the responses to the assignment in your own handwriting.**
- 2) Submit the responses to your HOD within the due date.**
- 3) Write your name, program and Enrollment nu clearly at the top of the Page.**

ASSIGNMENT – 1

- Q1A. Describe the theories of inheritance of acquired characters.
- Q1B. Write what you know about Lamarck and his work?
- Q2A. Give an account of Lamarck's theory of organic evolution.
- Q2B. Give a critical account of Darwin's theory of natural selection.

ASSIGNMENT – 2

- Q1A. Describe the aims and scope of development biology.
- Q1B. Give an account of egg structure and types.
- Q2A. Describe the development of chick up to formation of primitive streak.
- Q2B. Describe the extra embryonic membrane of chick.



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ZOOL-222	Physiology and biochemistry
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ASSIGNMENT – 1

Q1A. Discuss the role of pancreas in the digestive of protein.

Q1B. Discuss the role of liver in the digestive and absorption of food.

Q2A. Define digestion. Discuss the various feeding mechanism found in animals in relation to their food.

Q2B. What are the important component of food? Describe the process of digestion of these components in any mammals.

ASSIGNMENT – 2

Q1A. Discuss the physiological properties of cardiac muscle. Describe origin and conduction of heart.

Q1B. What is electrocardiogram? Identify the different component of an electrocardiograph.

Q2A. Describe the structure and physiology of kidney.

Q2B. Describe the development of osmoregulatory mechanism affected animal evolution.