

ONLINE EXAMINATION

This question paper contains 1 page

Unique Paper Code : 42231102
Name of the Course : **B.Sc. (Prog.) Life Sciences**
Name of the Paper : Animal Diversity (**LOCF**)
Semester : I
Duration : 3 Hours
Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No., Course, Name of paper, Semester and Date of Examination on first page of answer sheet.
 2. Draw the structures, wherever necessary.
 3. Attempt **FOUR** questions. Each question carries **equal** marks.
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1. Classify class Reptilia up to order giving diagnostic characteristics and explain the biting mechanism in snakes. **(18.75)**
 2. Describe various structural features which have evolved in birds to lead a successful aerial mode of life. **(18.75)**
 3. Give a detailed account on the life history tapeworm and its parasitic adaptations. **(18.75)**
 4. With the help of a suitable diagram, explain the unique system of starfish that helps in locomotion and discuss the mechanism of locomotion. **(18.75)**
 5. With suitable diagrams, discuss how torsion and detorsion have led to structural and functional variations in gastropods. **(18.75)**
 6. Give a detailed account of the migration in fishes. Add a note on how these fishes maintain osmotic balance during their migration? **(18.75)**