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B.Sc. RNLK-/Zoology/C5T/21

2021

Zoology

[Third Semester]

Paper - GE3T (Animal diversity)

Full Marks : 40

Time : 2 hours

*The figures in the right-hand margin indicate marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

1. Answer any 5 from the following : 5×2=10

- a) What do you mean by metamerism? 2
- b) What is haemotoxic venom? Give example. 2
- c) Trace the pathway of water in water vascular system? 2
- d) What is detorsion? Give example. 2

*(Turn Over)*

( 2 )

- e) Define polymorphism? 2
- f) What is solenoglyphous fang? 2
- g) What do you mean by ostia & osculum? 2
- h) Write down the difference between osmoregulator and osmoconformer? 2

**2. Answer any four from the following : 4×5=20**

- a) Write down the mechanism of Torsion. 5
- b) Write the difference between venomous and non venomous snake. 5
- c) Do fresh water fishes drink water? Explain the osmoregulatory mechanism of it. 5
- d) Write down the parasitic adaptation in helminthes.
- e) Mention the phylum character of Fasciola sp. and class character of Rana sp.. 5
- f) Chassify Amphibia upto living order with example. 5

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**3. Answer any one from the following : 1×10=10**

- a) Write a note on Polymorphism of Obelia sp. 10
- b) Briefly describe the social organization of termite?10