

3-1-118

Subject: ZOOLOGY

SEMESTER-I

Paper - I :ANIMAL DIVERSITY OF INVERTBRATES

UNIT I

- 1.0 Brief History, Significance Of Diversity Of Invertebrates
- 1.1 Phylum Protozoa:- General Characters And Outline Classification Upto Classes With Examples; Type Study: Elphidium,
- 1.2 Phylum Porifera:- General Characters And Outline Classification Upto Classes With Examples; Type Study: Sycon, Canal System In Sponges.

UNIT II

- 2.0 Phylum Coelenterata :- General Characters And Outline Classification Upto Classes With Examples; Type Study: Aurelia ,Polymorphism In Coelenterates: Corals And Coral Reef Formation.
- 2.1 Phylum Platy helminthes :- General Characters And Outline Classification Upto Classes With Examples; Type Study: Fasciola hepatica.
- 2.2 Phylum Nemathelminthes :- General Characters And Outline Classification Upto Classes With Examples.

UNIT III

- 3.0 Phylum Annelida :- General Characters And Outline Classification Upto Classes With Examples; Type Study: Leech., Metamerism In Annelida.
- 3.1 Vermiculture : Scope, Significance of Vermiculture Earthworms Sps, Processing of Vermiculture,Vermicompost,Economic Importance Of Vermicost.

UNIT- IV

- 4.0 Phylum Arthropoda:- General Characters And Outline Classification Upto Classes With Examples; Type Study: Macrobrachium rosenbergii (Scampi).
Onychophora:- Peripatus-Structure ,Affinities
- 4.1 Phylum Mollusca:- General Characters And Outline Classification Upto Classes With Examples.
Pearl Formation In Pelecypoda.
Torsion In Gastropoda.

UNIT-V

- 5.0 Phylum Echinodermata: General Characters And Outline Classification Upto Class With Examples; Water Vascular System Of Star Fish.
- 5.1 Invertebrates Larval Forms: Amphiblastula, Ephyra, Trochophora, Nauplius, Zoea, Mysis, Megalopa, Glochidium , Bipaneria .
- 5.2 Hemichordata: General Characters And Outline Classification Upto Classes With Examples; Balanoglossus:Structure , Affinities & Tornaria Larvae

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Chairman (B.O.S.)
(20.....Exams)**

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Reference books:

1. Modern Text Book Of Zoology Invertebrates ---- R.L. kotpal
2. Text Book of Invertebrates- Arumugam et.al.,
3. Economic Zoology- Saras Publication
4. Old telugu academy

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3-1-18

FIRST YEAR
Zoology Model Theory Paper
Semester - II
Animal Diversity Of vertebrates

Time: 3 hours
Marks: 75

Part-A (5X5=25)

Answer any five question , each question carries five marks, draw diagrams wherever necessary.

- 1) Amphioxus
- 2) Placoid scale
- 3) . Quill feather
- 4) Prototheria
- 5) Significance Of Fish Migration
- 6) Draco
- 7) Emu
- 8) Apoda

Part-B (5X10=50)

Answer five questions , each question carries ten marks. draw diagrams wherever necessary.

- 9 (a) life history of Herdmania-explain
or
(b) Explain the origin & general characters of chordates.
- 10 (a) difference between the petromyzon & myxine
Or
(b) describe the arterial system of shark..
- 11 (a) write an essay on parental care in amphibian.
Or
(b) External characters of calotes.
- 12 (a) write an essay on flight adaptations in bird .
Or
(b) Respiratory system of pigeon -explain.
- 13 (a) write an essay on Dentition in mammals .
Or
(b) general characters of Rabbit .

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