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**SUBJECT CODE NO:- 6004**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**M.Sc. (Sem-I)**

**Examination March/April-2022 (To Be Held In June/July-2022)**

**Zoology (Old)**

**Taxonomy and Animal Diversity -401**

[Time: 3:45 Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

N.B

- i) Section 'A' is compulsory.
- ii) Attempt any five question from section 'B'
- iii) Draw a neat labeled diagrams wherever necessary.
- iv) Assume suitable data, if necessary.

**Part-'A'**

Q.1 Attempt the following multiple choice questions.

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- 1) Founder of taxonomy \_\_\_\_\_
  - a) Lamarck
  - b) Carolos Linnaeus
  - c) John Ray
  - d) Aristotle
- 2) Study of molluscan shell is called \_\_\_\_\_
  - a) Malacology
  - b) Mammology
  - c) Conchology
  - d) Cnidology
- 3) Cladistics is related with \_\_\_\_\_
  - a) phylogeny
  - b) Numerical Taxanomy
  - c) Cytotaxonomy
  - d) None of these
- 4) Malaria Parasites is transmitted by \_\_\_\_\_
  - a) Culex
  - b) Aedes
  - c) Anopheles
  - d) Stegomyia
- 5) The study of birds is termed as \_\_\_\_\_
  - a) Orhithology
  - b) Herpetology
  - c) Ichthyology
  - d) All the above
- 6) Fish scales are \_\_\_\_\_ in origin.
  - a) Ectodermal
  - b) Endodermal
  - c) Mesodermal
  - d) Epidermal
- 7) Unstriated muscles are found \_\_\_\_\_
  - a) Urinary bladder
  - b) Alimentary canal
  - c) Trachea
  - d) All of these
- 8) Which is Poikilothermic animal \_\_\_\_\_
  - a) Tortoise
  - b) Otter

c) Penguin

d) Whale

9) Character of sporozoa \_\_\_\_\_

a) Aquatic life

b) Halophytic nutrition

c) Spore formation

d) Holozoic Nutrition

10) Which of following India's first biosphere reserves \_\_\_\_\_

a) Sunderbans

b) Nandadevi

c) Nilgiri

d) Pachmarhi

### Part – 'B'

Attempt any five questions.

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Q.2 Define species? Explain concept of species.

Q.3 Describe asexual reproduction in protozoans.

Q.4 Explain in brief types of mouth parts in Insects.

Q.5 Give an account of flight adaptation in birds.

Q.6 Explain comparative account of digestive system of vertebrates.

Q.7 Give details account of bio geographical zones of India.

Q.8 Explain concept of pest.