

Model Question paper  
Bio-Diversity (Z) 1  
11th Standard

**Biology**

Reg.No. : 

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:30:00 Hrs

Total Marks : 55

10 x 1 = 10

**Part - A**

- 1) The theme of the world summit on environment held in Johannesburg in 2002 was  
(a) Only one earth (b) Our common future (c) Sustainable earth (d) Energy crisis
- 2) If two or more workers describe the same organism using different names, it result in  
(a) Homonyms (b) Synonyms (c) A valid name (d) Nomenclature
- 3) Which among the following is considered 'a blood fluke'?  
(a) Schistosoma (b) Taenia solium (c) Fasciola (d) Ascaris
- 4) Which among the following is considered as a connecting link between Annelida and Arthropoda?  
(a) Centipede (b) Cockroach (c) Peripatus (d) Spiders
- 5) Acrania refers to  
(a) Fishes (b) Birds (c) Chordates (d) Prochordates
- 6) The famous work of Charles Darwin \_\_\_\_\_.  
(a) Origin of species (b) Numerical taxonomy (c) Historie Naturelle des Animaux sans Vertebres (d) Natural taxonomy
- 7) The diagnostic feature of the phylum Arthropoda is \_\_\_\_\_.  
(a) Soft body (b) Jointed legs (c) Acoelomate body (d) Triploblastic animal
- 8) The insects that do not have wings are included under the order \_\_\_\_\_.  
(a) Coleoptera (b) Diptera (c) Aptera (d) Hymanoptera
- 9) Bacteria and Cyanobacteria are included under the kingdom \_\_\_\_\_.  
(a) Plantae (b) Animalia (c) Protocista (d) Monera
- 10) Tapeworms belong to the class \_\_\_\_\_.  
(a) Platyhelminthes (b) Cestoda (c) Turbellaria (d) Trematoda

**Part - B**

10 x 2 = 20

- 11) Define biosphere
- 12) Why do we consider Aristotle as the father of biological classification?
- 13) What are triploblastic animals?
- 14) What is a trochophore?
- 15) What are amniotes?
- 16) What is the contribution of John Ray in Taxonomy?
- 17) What is taxon?
- 18) How are the triploblastic animals classified based on coelom?
- 19) What is meant by metamerism?
- 20) What are the characteristic features of Echinodermata?

**Part - C**

5 x 3 = 15

- 21) Provide a brief account on the biodiversity in India.
- 22) Write notes on phylum Annelida.
- 23) What are the various concept of species?
- 24) Write notes on Primates.
- 25) Provide an account on external openings on the body of an earthworm. Externally the body of earthworm has the following openings.

**Part - D**

2 x 5 = 10

- 26) Write an essay n the various methods of taxonomy
- 27) What are the characteristic features of birds?

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