

Model Question paper
Bio-Diversity(B) 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 study of Fungi is called
(a) Phycology (b) Plant pathology (c) Systematics (d) Mycology
- 2) The Fungal cell wall is made up of
(a) chitin (b) cellulose (c) pectin (d) peptidoglycan
- 3) The basic unit of classification is _____.
(a) genus (b) species (c) family (d) taxon
- 4) Unicellular plants found floating in oceans and freshwater are called _____.
(a) algae (b) zooplanktons (c) phytoplanktons (d) epiphytes
- 5) Carolus Linnaeus proposed the following system of classification _____.
(a) Phylogenetic (b) Two kingdoms (c) Five kingdoms (d) Natural
- 6) Plants and animals were classified on the basis of their form and habitat by _____.
(a) Hippocrates (b) Aristotle (c) Carolus Linnaeus (d) Aristotle and Theophrastus
- 7) Which of the following is a parasitic plant?
(a) Nepenthes (b) Drosera (c) Cuscuta (d) Vanda
- 8) The viruses were first crystallized by _____.
(a) W.M Stanley (b) Iwanowsky (c) Anton Von Leuwenhock (d) Beijerinck
- 9) Corona viruses, in man causes _____.
(a) AIDS (b) SARS (c) Hepatitis (d) Polio
- 10) If bacteria have tufts of flagella emerging from one end, it is called _____.
(a) Monotrichous (b) Lophotrichous (c) Amphitrichous (d) Peritrichous

Part - B

10 x 2 = 20

- 11) What is meant by septate hypha?
- 12) Define Biodiversity.
- 13) What is Lichen?
- 14) Name the three types of photosynthetic pigments found in algae.
- 15) What is Agar-agar?
- 16) What are commensals?
- 17) What is myxotrophic nutrition?
- 18) Distinguish between mycophages and cyanophages.
- 19) What are viral vaccines?
- 20) What are endospores?

Part - C

5 x 3 = 15

- 21) Give the salient features of the subdivision Ascomycotina / Basidiomycotina / Zygomycotina
- 22) List the difference between plants and animals.
- 23) What are the different shapes found in bacteria? Give examples.
- 24) Discuss the role of bacteria in industry.
- 25) Write about the pigmentation in algae.

Part - D

2 x 5 = 10

- 26) Discuss the two kingdom system of classification. List its merits and demerits. Two kingdom system of classification.
- 27) Write a short note on respiration in bacteria.
