

Model Question paper
Bio-Diversity(B) 3
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) Thu Fungal cell wall is made up of
(a) chitin (b) cellulose (c) pectin (d) peptidoglycan
- 2) Unicellular plants found floating in oceans and freshwater are called _____.
(a) algae (b) zooplanktons (c) phytoplanktons (d) epiphytes
- 3) Phycology is the study of ----
(a) Plants (b) Virus (c) Algae (d) Bacteria
- 4) Developing a vaccine for SARS is difficult because
(a) it spreads by infectious materials (b) it is an enveloped virus (c) it is constantly changing its form (d) it has ss RNA
- 5) Cell which keeps changing its shape is called
(a) Spirilla (b) Pleomorphic (c) Symbiont (d) Gram-negative
- 6) Adenovirus exhibits
(a) Asymmetry (b) Helical symmetry (c) Cubic symmetry (d) Complex symmetry
- 7) The division thallophyta of plant kingdom includes
(a) Lichens (b) algae and fungi (c) bacteria and viruses (d) fungi and ferns
- 8) The algae that grow attached to rocks are called.....
(a) Epiphytes (b) Lithophytes (c) Lichens (d) Planktons
- 9) Funaria is commonly called
(a) Liverwort (b) Stonewort (c) Hornwort (d) Moss
- 10) Turpentine is obtained from the resin of
(a) Cedrus (b) Agathis (c) Pinus (d) Ephedra

Part - B

10 x 2 = 20

- 11) What are haustoria?
- 12) Give two reasons why phylogenetic classification is not always possible.
- 13) What is meant by artificial system of classification? Give example.
- 14) Name the three main classes of bryophyte.
- 15) Give reason: Bacteria are also known as nature's scavengers
- 16) What are viral vaccines?
- 17) What are fungi imperfecti?
- 18) Write about the economic importance of bryophytes.
- 19) What are microphyllous pteridophytes? Give examples.
- 20) Define heterospory

Part - C

5 x 3 = 15

- 21) Write about the economic importance of Gymnosperms.
- 22) Discuss the role of bacteria in industry.
- 23) Write the salient features of Gymnosperms
- 24) What are the difficulties encountered in classifying Euglena?
- 25) List the differences between Gymnospermae and Angiospermae

Part - D

2 x 5 = 10

- 26) Write an essay on sexual reproduction in bacteria.
- 27) write about the occurrence and distribution of algae.
