Model Question paper

Bio-Diversity(B) 2

11th Standard

Biology

Reg.No. : | | | | | | |

I. Answer all the questions.

II. Use blue pen only.

Time : 01:30:00 Hrs

Total Marks : 55

Part - A

10 x 1 = 10

1) T.M.V has the following symmetry

(a) Cubical (b) Helical (c) Atypical (d) Square

2) The infective nature of virus is due to

(a) protein coat (b) nucleic acid (c) envelope (d) tail fibres

3) The chlorophyll pigment found in green sulphur bacteria is

(a) Bacteriochlorophyll (b) Bacterioviridin (c) Phycocyanin (d) Phycoerythrin

4) Cell which keeps changing its shape is called

(a) Spirilla (b) Pleomorphic (c) Symbiont (d) Gram-negative

5) Production of gametes in bryophytes involve.....

(a) Meiosis (b) Mitosis (c) Fertilization (d) Reduction division

6) Bacteria useful in retting of fibres are .....

(a) Clostridium species (b) Rhizobium species (c) Acetobacter aceti (d) Lactobacillus

7) Fusarium oxysporum causes.....

(a) Wilt of cotton (b) Tikkka disease of groundnut (c) Red rot of sugarcane (d) Ringworm

8) The thick walled non-motile spores are called.....

(a) Aplanospores (b) Zoospores (c) Akinetes (d) Basidiospores

9) Gymnosperms were more abundant during .....

(a) Silurian period (b) Devonian period (c) Mesozoic era (d) Palaeozoic era

10) Ephedrine is an alkaloid used in curing

(a) Blood cancer (b) Cardiac problems (c) Asthma and respiratory problem (d) Skin disease

Part - B

10 x 2 = 20

11) What is meant by Tracheophyta?

12) List any two living characteristics of virus.

13) what are enveloped viruses?

14) What are interferons?

15) What is retting of fibres?

16) Distinguish between Ascocarp and Basidiocarp.

17) What are the diseases caused by fungi in man?Mention the causative agent.

18) Mention some of the fern plants.

19) What are microphyllous pteridophytes?Giver examples.

20) Define heterospory

Part - C

5 x 3 = 15

21) How do you justify a separate kingdom status for fungi?

22) Write the salient features of Gymnosperms

23) What is heterospory? What is its significance?

24) What is meant by biological control? Illustrate your answer with suitable examples.

25) Discuss the advantages associated with seed habit

Part - D

2 x 5 = 10

26) Distinguish lytic cycle of a phage from lysogenic cycle.

27) Describe the various divisions of fungi.

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