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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**

(For Candidates admitted from 2020-2021 onwards)

UG DEGREE EXAMINATIONS -APRIL 2021

B.Sc., - CHEMISTRY

PLANT BIOLOGY II



Time: 3 Hrs

Max.Marks: 75

PART - A

CHOOSE THE CORRECT ANSWER

(10X1=10)

1. In Cyathium the ratio between female to male flower is
 a) one:one b) one:many c) many: many d) Two: one
2. A modification of leaf is
 a) Corm b) Cladode c) Phyllode d) Phylloclade
3. Fruit in family Poaceae is called as
 a) Capsule b) Caryopsis c) Regina d) carcerulus
4. Number of sepals in family Solanaceae is
 a) 2 b) 3 c) 5 d) 6
5. Vascular bundles in a dicot stem are
 a) Open, collateral, exaarch b) Closed, collateral, endarch
 c) Closed, collateral, exaarch d) Open, collateral, endarch
6. How many radial vascular bundles are found in dicot roots?
 a) 4 b) 6 c) 2 d) 1
7. The young fruit body is completely enveloped by thin membrane which is called
 a) Velum b) Mycelium c) Rhizoids d) Septate
8. The lower side of Pileus number of vertical plates like structure are present called
 a) Spores b) Organelles c) Dryopteris d) Gills
9. Porogamy is
 a) Fertilization in which pollen tube enters the ovule through integument
 b) Fertilization without pollen grain
 c) Fertilization in which pollen tube enters the ovule through chalaza
 d) Fertilization in which pollen tube enters the ovule through microphyle
10. In flowering plants meiosis occur at the time of
 a) Germination of seeds b) Formation of buds
 c) Formation of Pollen grain d) Formation of root primerdia

PART- B

ANSWER ALL THE QUESTIONS

(5X7=35)

11. a) Describe about Cyathium and Hypanthodium with example
(OR)
b) Give an account on Types of stems and its function
12. a) Write a note on general characteristics of Annonaceae with an example
(OR)
b) Illustrate the economic importance of Solanaceae.
13. a) Write about Sclerids and its types
(OR)
b) Give an account on anatomy of Monocot stem with diagram
14. a) Discuss about the nutritive value and importance of mushroom
(OR)
b) Write any three mushroom recipes
15. a) Describe about the development and maturation of male gametophyte
(OR)
b) Write down the methods and advantages of indoor plants

PART - C

ANSWER ANY THREE QUESTIONS

(3X10=30)

16. Write an essay on the various types of cymose inflorescence with neat diagram
17. Explain about Bentham and Hooker classification
18. Explain about Stomata and its types
19. Explain about the Oyster Mushroom cultivation
20. What are the Propagation methods are adopted for Horticulture? Explain