

B.Sc. Sem-VI
Internal Examination 2021
BOTA
Paper: CC-13 (Plant Physiology)

F.M.- 10

Answer any 10 of the following:-

10x1=10

1. Define xylem cavitation.
2. Name an antitranspirant.
3. Name the element that provides the characteristic colour of onion.
4. Give a deficiency symptom of Magnesium.
5. What is phloem unloading?
6. Name a gaseous plant hormone.
7. Name a hormone that gives feminism effect in plants.
8. What is 2,4-T?
9. Write a cause of seed dormancy.
10. What is P_{fr} ?
11. What is Day Neutral plant?
12. Define senescence.

**B.Sc SEM IV
BOT-A
CC 14 (PLANT METABOLISM)
Internal Examination
2021**

FM 10

Answer any ten questions

- | | |
|--|---|
| i. What is an amphibolic pathway? | 1 |
| ii. Give an example of allosteric enzyme? | 1 |
| iii. What is an action spectrum? | 1 |
| iv. Define Emerson enhancement effect . | 1 |
| v. What is Kranz anatomy? | 1 |
| vi. Name the first electron acceptor of PSII in non-cyclic phosphorylation. | 1 |
| vii. State two importance of Pentose Phosphate Pathway. | 1 |
| viii. Name one inhibitor of ETS of cellular respiration. | 1 |
| ix. What is function of Nod gene? | 1 |
| x. How many molecules of acetyl-CoA will be created from a 14 carbon fatty acid? | 1 |
| xi. What is function of apolipoproteins? | 1 |
| xii. Give example of primary and secondary messenger? | 1 |

**B.Sc SEM IV
BOT-A
DSE A (MEDICINAL AND ETHNOBOTANY)
Internal Examination
2021**

FM 10

Answer any ten questions

- | | |
|--|---|
| i. What is a Unani system of medicine? | 1 |
| ii. Define crude drug. | 1 |
| iii. Name one active constituent of plant used as sedative. | 1 |
| iv. Name one active constituent of plant used as Cardiotonic | 1 |
| v. Name the plant from where Theophylline is obtained. | 1 |
| vi. Mention two limitation of pharmacognosy. | 1 |
| vii. What is an unorganized drug? | 1 |
| viii. From where Terpinoids are biosynthesized? | 1 |
| ix. Name one secondary metabolites act as plant allelopathic compound. | 1 |
| x. What is photoecdysone? | 1 |
| xi. What do you mean by evaluation of drug? | 1 |
| xii. What is enthnobotany? | 1 |

B.Sc. Sem-VI
Internal Examination 2021
BOTA
Paper: DSE B (Natural Resource Management)

F.M.- 10

Answer any 10 of the following:-

10x1=10

1. Define Natural Resource.
2. What is sustainable utilization?
3. Write a cause of soil degradation.
4. What is aquifer?
5. What is Bioprospecting?
6. Expand IPR.
7. Expand EIA.
8. What is carbon footprint?
9. Give an example of National effort of resource management.
10. Give an example of renewable source of energy.
11. Expand IUCN.
12. Name two land types.