5. (a) Describe various types of photosynthetic pigments. 5

(b) Explain physical and chemical properties of soil. 5

Or

6. (a) Explain the Krebs cycle. 5

(b) Describe the Crassulacean Acid Metabolism (CAM) pathway. 5

7. Write note on :

(a) Enzymes-classification & features 5

(b) Mineral deficiency & toxicity symptoms 5

Or

8. Write note on :

(a) Oxidative phosphorylation 5

(b) Biological nitrogen fixation 5

9. (a) Explain physiological effects of Auxin. 5

(b) Describe biotic and abiotic components of aquatic ecosystem. 5

Or

10. (a) Explain the process of seed germination and factors contedling it. 5

(b) Describe physiological effects of cytoteinins. 5

★★★

UG (CBCS) EVEN SEMESTER EXAMINATION, 2024

EDUCATION

(B.Sc. B.Ed.)

6th Semester

Course No. : BSBP – 603

(Plant Physiology & Biochemistry, Ecology & Utilization of Plants)

Full Marks : 50

Pass Marks : 20

Time : 2 hours

The figures in the margin indicate full marks for the questions

(*Answer five questions*)

1. (a) Explain the properties of water. 5

(b) Describe the diffusion in plants. 5

Or

2. (a) Explain passive theory of water absorption. 5

(b) Why water is important for plant life? 5

3. Write note on :

(a) Transpiration 5

(b) Water cycle 5

Or

4. Write note on :

(a) Calvin & Benson cycle 5

(b) Adaptation in hydrophytes 5