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NTK/KW/15- 5890

Fifth Semester B. Sc. Examination

BOTANY

Paper – II

(Plant Ecology – I)

Time : Three Hours]

[Max. Marks : 50

- N. B. : (1) All questions are compulsory and carry equal marks.
(2) Illustrate your answers with suitable diagrams and examples wherever necessary.

1. Write on :—

- (a) Gaseous composition of atmosphere. 5
(b) Effects of Light on plants. 5

OR

Write short notes on :—

- (c) Significance of ecology. 2.5
(d) Vernalization. 2.5
(e) Heliophytes. 2.5
(f) Sciophytes. 2.5

2. Write on :—

- (a) Physical properties of soil. 5
(b) Soil profile. 5

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Contd.



OR

Write short notes on :—

- (e) Pedogenesis. 2.5
- (d) Epiphytes. 2.5
- (c) Symbiosis. 2.5
- (f) Grazing and browsing. 2.5

3. Write on :—

- (a) Nitrogen cycle. 5
- (b) Raunkier's life forms. 5

OR

Write short notes on :—

- (c) Abiotic components of an ecosystem. 2.5
- (d) E cad. 2.5
- (c) Density. 2.5
- (f) Pyramid of energy. 2.5

4. Write on :—

- (a) Hydrosere. 5
- (b) Anatomical adaptations of xerophytes. 5

OR

Write short notes on :—

- (c) Causes of succession. 2.5
- (d) Anatomical adaptations of hydrophytes. 2.5

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(c) Vivipary.

2.5

(f) Morphological adaptations of xerophytes. 2.5

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5. Write in two or three lines only (any ten). Diagrams are not necessary :-

(a) Synecology.

(b) Photoperiodism.

(c) Autecology.

(d) Obligate parasite.

(e) Pedology.

(f) Zoochory.

(g) Ecotype.

(h) Frequency.

(i) Food web.

(j) Xerosere.

(k) Pneumatophore.

(l) Ecdysis.

1 x 10