

AQ-900

M.Sc. (Part—I) Semester—II Examination

(CBCS Scheme)

ZOOLOGY

Paper—VIII

(Ecology and Environment) (Also GIC)

Time—Three Hours]

[Maximum Marks—80

N.B. :— (1) All questions are compulsory.

(2) All questions carry equal marks.

(3) Illustrate your answers with suitable diagrams wherever necessary.

1. Give an account on Habitat and Niche. 16

OR

Write an account on population ecology with reference to, characteristics of growth curves and regulation.

2. Explain the following :

(a) Community structure

(b) Edge and ecotones

(c) Types of succession

(d) Characteristics of estuarine ecosystem 16

OR

(e) Levels of species diversity

(f) Mechanism of succession

(g) Terrestrial biomass

(h) Grass-land ecosystem.

3. Give an account on air and water pollution with reference to sources, effects and control. 16

OR

Write an account on global climate change.

4. Describe the following :

- (i) Principles of conservation
- (j) National parks
- (k) Metabolism of carbamate pesticides
- (l) Phase-I reaction of detoxification 16

OR

- (m) Phase-II reaction of detoxification
- (n) Metabolism of organochlorine pesticides
- (o) Project tiger
- (p) Sanctuaries.

5. Write an account of following :

- (q) IGPPC
- (r) IPR
- (s) EPA
- (t) EIA of thermal power stations 16

OR

- (u) EIA of coalmines
- (v) Environment monitoring
- (w) Laws pertaining to environment
- (x) EIA of reservoirs.