

PD- 173 CV-19
(523) M.Sc. Zoology (First Semester)
Term End Examination Dec.-2020
Compulsory/Optional
Group-
Paper – II

Name/ Title of Paper: Ecology and Environmental Physiology
Time : Three Hours]

[Maximum Marks : 80
Minimum Marks : 29

Note : Answer from Both the section as Directed. The figures in the right hand margin indicate marks.

Section-A

- 1- Answer the following questions: 1X10
- (a) Define Ecofane
 - (b) Define Pasasitism
 - (c) What is population regulation.
 - (d) What is bio indicator
 - (e) What do you mean by toxicity
 - (f) The total percentage (%) of oxygen in air is -----
 - (g) What is stress tolerance
 - (h) Define Homeostasis
 - (i) Write the name of green house gas
 - (j) How do fresh water fish adapt to their environment
- 2- Answer the following questions. 2X5
- (a) Ecotone and edge effects
 - (b) Exponential growth
 - (c) What is Ozone depletion
 - (d) Define community
 - (e) What is acclimatisation and acclimation

Section-B

15X4

Answer all question:

Unit-I

- 3- Describe ecological succession in brief

Or

Write short notes an any two

- (a) Oxygen cycle
- (b) Fresh water adaptation
- (c) Biotic factors

Unit-II

- 4- Describe models of pre- predator dynamics

Or

Write short notes an any two of the following

- (a) Life table
- (b) Logistic growth model
- (c) Reproductive value

Unit-III

- 5- Write an essay on environment and impact assement

Or

Write short notes an any two of the following

- (a) Green house gas
- (b) Water Pollution
- (c) Environmental awareness program me

Unit-IV

- 6- Discuss physiological response to body exercise, meditation yoga and this effect

Or

Describe osmoregulation in aqueous & terrestrial environment