

This question paper contains 3 printed pages]

BF—76—2016

FACULTY OF SCIENCE

B.Sc. (Second Year) (Fourth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

BOTANY

Paper IX

(Ecology and Environmental Biology)

(MCQ + Theory)

(Thursday, 20-10-2016)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—10+30=40

N.B. :—(i) Attempt All questions.

(ii) All questions carry equal marks.

(iii) Choose the correct answer for MCQ.

MCQ

1. Multiple Choice Questions :

- (1) The term ecosystem was first coined by
 - (a) Tansley
 - (b) Mendel
 - (c) Khurana
 - (d) Watson
- (2) The outermost layer of earth crust is known as
 - (a) Exosphere
 - (b) Lithosphere
 - (c) Ionosphere
 - (d) Thermosphere
- (3) The plants growing in saline soil are called as
 - (a) Hydrophytes
 - (b) Xerophytes
 - (c) Halophytes
 - (d) Thermophytes
- (4) Reduced roots or absence of root is special character of
 - (a) Halophytes
 - (b) Hydrophytes
 - (c) Thermophytes
 - (d) Xerophytes

P.T.O.

- (5) The unit for study and analysis of vegetation by square shaped sample plot is
- (a) Transect (b) Loop
(c) Point (d) Quadrat
- (6) The succession occurring in water in abundance is
- (a) Lithosere (b) Hydrosere
(c) Psammosere (d) Xerosere
- (7) The pyramid of biomass is
- (a) Inverted (b) Upright
(c) Inclined (d) None of these
- (8) Plants prepare food from assimilation.
- (a) H_2 (b) CO_2
(c) He (d) Xe
- (9) The removal of top layer of soil by water and air is known as
- (a) Soil conservation (b) Soil erosion
(c) Soil preservation (d) All of these
- (10) Gases responsible for acid rain are
- (a) SO_2 and NO_2 (b) O_2 and CO_2
(c) N_2 and H_2 (d) He and Xe

Theory

2. Describe atmosphere and temperature as a climatic factors.

Or

Write notes on :

- (i) Soil composition
(ii) Morphological adaptations hydrophytes.
3. Describe general characters of halophytes.

Or

Write notes on :

(i) Types of ecosystem

(ii) Food chain.

4. What is water pollution ? Describe the causes of water pollution.

Or

Write notes on :

(i) Frequency

(ii) Control of air pollution.