



UNIVERSITY OF THE PUNJAB

Fifth Semester – 2019

Examination: B.S. 4 Years Program

Roll No. in Fig.

Roll No. in Words.

PAPER: Environmental Biology
Course Code: BOT-307 Part-I (Compulsory)

MAX. TIME: 15 Min.

MAX. MARKS: 10

Signature of Supdt.:

Attempt this Paper on this Question Sheet only.

Please encircle the correct option. Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer, cutting and overwriting is not allowed. (1x10=10)

- (i) Organic wastes (as animal wastes and plant debris) in water can
- (a) Deplete dissolved Oxygen of Water (b) Cause Cancer
(c) Cause Excessive Growth of Algae (d) Reduce Photosynthesis
- (ii) Pollutant gas that reacts in the presence of sunlight to produce Ozone is
- (a) SO₂ (b) NH₃ (c) NO₂ (d) Cl₂
- (iii) Major contribution in global warming is that of
- (a) CFC (b) Methane (c) CO₂ (d) N₂O
- (iv) Coal, Oil and Gas are produced as a result of
- (a) Photosynthetic activity of past millions of years (b) Abiotic Activity
(c) Current Photosynthetic Activity (d) None of a, b or c
- (v) A species abundant in its natural range but with declining population is said to be
- (a) Extinct species (b) Threatened species (c) Endangered species (d) Indicator Species
- (vi) Mark out dominant component of Photochemical Smog
- (a) O₃ (b) PAN (c) SO₂ (d) NO₂
- (vii) Symptoms of Fluoride injury appears on leaves of sensitive plant species as
- (a) Necrosis (b) Chlorosis (c) Bleaching (d) Silvering & Bronzing
- (viii) Higher the ICV, higher is the radio sensitivity in
- (a) Higher animals (b) Lower plants (c) Insects (d) Higher plants
- (ix) Which one is a non-renewable resource?
- (a) Wild life (b) Forests (c) Natural Gas (d) Water
- (x) Radiation that can travel a distance of only a few centimeters in the air is
- (a) Alpha Particles (b) Beta Particles (c) Gamma Rays (d) X-Rays



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Fifth Semester – 2019

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Roll No.

PAPER: Environmental Biology
Course Code: BOT-307 Part – II

MAX. TIME: 2 Hrs. 45 Min.
MAX. MARKS: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Write short notes on the following.

(5x4=20)

- (i) Importance of Forests and Deforestation
- (ii) Adverse effects of Air Pollution on plant growth
- (iii) Sources of Water Pollution
- (iv) The Fallout Problem
- (v) Impacts of Thermal Pollution

Q 3. What do you understand by Environmental Crisis? Briefly discuss adverse effects of

10

- (a) Global Warming
- (b) Ozone Hole
- (c) Acid Rain

Q 4. Define and classify pesticides. Give an account of their characteristics and environmental problems associated with their extensive use.

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Q 5. (a) What is Smog, its causes and types? Explain mechanism of its formation. Give an account Smog related respiratory diseases and its general adverse effects

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