



UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program : Fifth Semester – 2020

Paper: Environmental Biology

Course Code: BOT-307

Part – I (Compulsory)

Time: 15Min. Marks: 10

Roll No. in Fig.

Roll No. in Words.

Attempt this Paper on this Question Sheet only.

Division of marks is given in front of each question.

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

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Signature of Supdt.:

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

- (i) Coal, oil and gas are result of
(a) Photosynthetic activity of the past (b) Abiotic activity
(c) Current Photosynthetic activity (d) None of a, b or c
- (ii) Biodiversity is considered at the level of
(a) Biotic communities and ecosystems (b) Species richness in a community
(c) Genetic diversity within a species (d) All a, b and c
- (iii) 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
- (iv) Mustard gas (HD) is a
(a) Nerve gas (b) Harassing agent (c) Incapacitating agent (d) Riot control gas
- (v) Small hemorrhages and black spots on the body are symptoms of
(a) Bubonic plague (b) Pneumonic plague (c) Psittacosis (d) Tularemia
- (vi) Restrictions, Substitutions and Partial recycling are important measure for conservation of
(a) Energy resources (b) Water resources (c) Mineral resources (d) Agriculture and Forestry
- (vii) Mark out dominant component of Photochemical smog
(a) O₃ (b) PAN (c) SO₂ (d) NO₂
- (viii) The pollutant absorbed by the plants through stomata as well as roots is
(a) Fluoride (b) SO₂ (c) PAN (d) Ozone
- (ix) Symptoms pf PAN injury appears on leaves of sensitive plant species as
(a) Necrosis (b) Chlorosis (c) Bleaching (d) Silvering and Bronzing
- (x) Amount of energy present in residual nuclear radiations after atomic explosion is
(a) 8% (b) 10% (c) 12% (d) 15%



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give short answers of the following:

(10x2=20)

- (i) Effects of Acid rains
- (ii) Ex-situ conservation of plants
- (iii) Ground water pollution
- (iv) Control of vehicular pollution
- (v) Impacts of noise pollution

Give brief answers of the followings.

(3x10=30)

Q 3. What is water pollution? Enlist and discuss in detail general and specific adverse effects of water pollution

Q 4. Define and classify pesticides. Give a detailed account of their characteristics and impacts on Ecosystem.

Q 5. What do you understand by Greenhouse effect and Global warming? Critically discuss type, Characteristics and role of greenhouse gases. What are impacts of Global warming?