

PARUL UNIVERSITY
PARUL INSTITUTE OF APPLIED SCIENCES
MID SEMESTER INTERNAL EXAMINATION, APRIL 2017
B. Sc Semester IV
Subject: Biochemistry

Paper Code: 11103253

Title of the paper: Environmental Biochemistry

Date: 18 /04/2017

Time: 12.30 p.m. to 02.00 p.m.

Maximum Marks: 40

Instructions:

- 1. All questions are compulsory and options are given in first and second question only.**
 - 2. Numbers to the right of question indicate the marks of respective question.**
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Q. 1 Attempt any one question of the following. **(08)**

Describe the following Acts in detail along with issues involved in enforcement of environmental legislation and public awareness: (Any one)

- (i) Environment Protection Act
- (ii) Wildlife Protection Act

Q. 2 Attempt any three questions of the following. Write short notes on: **(12)**

- (i) Grassland ecosystem
- (ii) Desert ecosystem
- (iii) Urban problems related to energy
- (iv) Consumerism
- (v) Rain Water Harvesting

Q. 3 Do as directed. Attempt all five questions. **(05)**

Define:

- (i) Decomposers
- (ii) Food Web
- (iii) Sustainable Development
- (iv) Rain Water Harvesting
- (v) Watershed Management

Q. 4 Write correct option in your answer sheet for following 15 multiple choice questions. **(15)**

MCQ 1 _____ ecosystem where H₂O does not flow

- | | |
|------------|----------------|
| (A) Pond | (B) Lake |
| (C) Stream | (D) Both A & B |

MCQ 2 Final stable community is called _____ community

- | | |
|------------|-------------|
| (A) Climax | (B) Pioneer |
| (C) Seral | (D) B&C |

MCQ 3 Solids, Rocky crust is referred to as _____

- (A) Litho (B) Atmo
(C) Hydro (D) Bio
- MCQ 4 Who envisioned a reformed village community based on sound environmental management
(A) Subhas Chandra Bose (B) Bhagat Singh
(C) Mahatma Gandhi (D) None of the above
- MCQ 5 EIA stands for
(A) Environmental impact assessment (B) Environmental Indian association
(C) Economical Indian assessment (D) Environmental invest amendment
- MCQ 6 Which process leads to an unproductive land
(A) Evaporation (B) Precipitation
(C) Salinization (D) Radiation
- MCQ 7 Who opposed the Tehri project
(A) Villagers in outer Himalayas in uttar pradesh (B) Scientists and Environmentalists
(C) Both (a) and (b) (D) None of these
- MCQ 8 The founder of the modern 'chipko movement' is
(A) Amrita Devi (B) Smriti Irani
(C) Neeta Ambani (D) None of these
- MCQ 9 Shantiniketan model was founded by
(A) Rabindranath Tagore (B) Bankim Chandra Chattopadhyay
(C) Both (a) and (b) (D) None of these
- MCQ 10 Wastelands are classified as
(A) Easily reclaimable (B) Reclaimable with difficulty
(C) Reclaimable with extreme difficulty (D) All of the above
- MCQ 11 What does WWF-1 stands for
(A) World wide fund for nature (B) World wrestling foundation
(C) Both (a) and (b) (D) None of these
- MCQ 12 Energy flows _____
(A) Bidirectionally (B) Unidirectionally
(C) Opposite directional (D) B & C

- MCQ 13 Sustainable development includes
(A) Social development (B) Economic opportunity
(C) Requirements of environment (D) All of these
- MCQ 14 Who brought forth a set of 8-proposition with a great relevance to the ethical issues regarding environmental concerns
(A) Anil Agrawal (B) Aranab Goswami
(C) Ajit Shukla (D) Rajat Sharma
- MCQ 15 Which act was passed by our government in 1981 to clean up air by controlling pollution
(A) The water (prevention and control of pollution) act (B) The air (prevention and control of pollution) act
(C) Both (a) and (b) (D) None of these

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