

S.No. : 587

AR 1106

No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

**PAPER ID : 10106**

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## B. Arch. Examination 2019-2020

(Odd Semester)

### ENVIRONMENTAL STUDIES

*Time : Three Hours]*

*[Maximum Marks : 60*

**Note :-** Attempt all questions.

#### SECTION – A

1. Attempt all parts of the following : 1 × 8 = 8
- Who coined the term ecosystem.
  - What is nitrogen-fixation?
  - Define term prey and predator.
  - What is ecological pyramid?
  - Define term sustainable development.
  - What is the cause of data variation of 'Taj Mahal'.

**[P. T. O.]**

- (g) Write name of green home gases.
- (h) What is NGO's?

### SECTION – B

2. Attempt any two parts of the following :  $6 \times 2 = 12$

- (a) Define term ecology and ecosystem. Discuss the structure and function of ecosystem. How energy flow in an ecosystem.
- (b) Define term water pollution. Differentiate between point source and non-point source. Discuss causes effects and control of water pollution.
- (c) What is ozonosphere? Discuss the causes and effects of ozone layer depletion.
- (d) What are the legal aspects of environment protection? Discuss the role of government in environment protection.

### SECTION – C

**Note:** Attempt all questions. Attempt two parts from each question.  $8 \times 5 = 40$

3. (a) Define term environment. Discuss different segments of environment in brief.
- (b) What is food chain? Differentiate between grazing food chain and detritus food chain with suitable example.
- (c) Discuss prey predator interaction with the help of Lotka-Volterra equation of population dynamics.
4. (a) Define environmental impact assessment. Discuss methods of E/A in brief.
- (b) What is alternate source of energy? 'Hydrogen ( $H_2$ ) is future fuel cell. Comment on the statement.
- (c) Define mining. Discuss the impact of mining on environment.
5. (a) Define air pollution. What are the sources of air pollution. Discuss the removal of particulate matter from atmosphere.
- (b) What is acid rain? Discuss causes and effects of acid rain. How it can control.

*[P. T. O.]*

- (c) Define population growth. Discuss the sigmoidal curve of population growth.
6. (a) What are threats of biodiversity? Discuss methods of biodiversity conservation.
- (b) What is EPA? Write main objectives of EPA, 1986. Discuss the role of CPCB in air act.
- (c) What are the main objectives of environmental studies? Discuss the role of women education in environment protection.

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