

Total No. of Questions : 6] [Total No. of Printed Pages : 4

**B.E. IIIrd Semester (CGPA)
Examination, 2017**

EFS-320

**CIVIL ENGG.
(ENVIRONMENTAL ENGG.-I)**

Paper : CE-301

Time : 3 Hours] [Maximum Marks : 60

Note :- Attempt all questions. All questions carry equal marks.

1. Complete the sentences : **2 each**

(i) Chlorofluorocarbons influence depletion.

(ii) Trickling filter process of waste water treatment is process.

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(1)

Turn Over

(iii) 33 nation UN Conference was in session at Stockholm July 1982 on

(iv) is noise source in bulldozer.

(v) Dissolved oxygen in water can be determine by method.

2. (a) Describe the basic concept of aerobic treatment process.

(b) Explain the classification of water polluting agents with suitable example. **5.5**

Or

What do you mean by an aquatic environment ?

Distinguish between lytic and lotic aquatic systems. **10**

3. (a) Define air pollution. How air pollution can be controlled by source correction method ?

(b) Define sampling. Give important factors which are considered significant for air sampling. **5.5**

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(2)

Or

- (a) What are the various segments of atmosphere ?
Depict graphically complete picture of the atmosphere.
- (b) Explain the working of cyclone separator. Give its mechanism of action. 5,5
4. (a) How energy flows in the ecosystem ? Represent graphically.
- (b) What is 'El-Nino' and 'La-Nino' effect ? Explain its significance. 5,5

Or

What do you understand by 'Biodiversity' ? Discuss its importance and uneven distribution on earth surface. 10

5. (a) Write an informative note on Biomedical Waste.
- (b) Give various health hazards of noise pollution. 5,5

Or

- (a) What is Radioactive Pollution ? Discuss its adverse effects on Biological System.

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(3)

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- (b) How are solid waste classified ? What are the various methods of solid waste treatment and disposal ? 5,5
6. (a) Discuss the advantages and limitations of environment impact assessment (EIA).
- (b) Discuss the basic features of Air (Prevention and Control of Pollution) Act, 1981. 5,5

Or

Justify the need of legislation required for environment protection. How can you distinguish between National and International laws for environment protection. 10

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(4)