

**GUJARAT NATIONAL LAW UNIVERSITY
GANDHINAGAR**

Course: Environmental Sciences
Semester-I (Batch: 2014-19)



End Term Examination: Oct-Nov. 2014

Date: 29th October, 2014

Duration: 2 hours

Max. Marks: 40

Instructions:

- Read the questions properly and write the answers in the given answer book.
- The respective marks for each question are indicated in-line.
- Do not write any thing on the question paper.
- Indicate correct question numbers in front of the answers.
- No questions or clarifications can be sought during the exam period, answer as it is, giving reason, if any.

Part-A

Marks

- Q.1 (a) The Air (Prevention and Control of Pollution) Act was passed in which year by the Indian Parliament and exercising the power conferred under which article of the Indian Constitution. (7x2=14)
- (b) Explain the ionosphere region of the atmosphere.
- (c) Write any four differences between the liquid and gas heating collector.
- (d) Explain the Oxygen Cycle with the help of a neat diagram.
- (e) What are the common features in the various Indian Standards set for controlling various types of pollution?
- (f) Write the factors that will be covered up in a full environmental audit.
- (g) Explain the Cyclone collector device used to control air pollution with the help of neat diagram.
- Q.2 (a) Name and explain any six criterions to be considered, while selecting a site for construction of a biogas plant. (2x3=06)
- (b) What is meant by population? A balance between which two aspects determine the size of a population of any given species? Addition and loss in the population are functions of which parameters?

Part-B

- Q.3 Write short notes on the following: (3x2=06)
- (a) Sources and actions of environmental toxicity.
- (b) Tsunami.
- (c) Hydrological cycle.
- Q.4 Answer **any two** of the following questions: (2x3=06)
- (a) Explain toxicokinetics of arsenic poisoning and also give its sign and symptoms.
- (b) Explain national river conservation plan.
- (c) What is Kyoto protocol and explain the effects of global warming.
- Q.5 Answer **any two** of the following questions: (2x4=08)
- (a) Explain environmental impact assessment.
- (b) Explain the causes of ozone depletion and the remedial steps to avoid depletion.
- (c) Ganga Action Plan.
