

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER– I & II (OLD) EXAMINATION – WINTER 2019****Subject Code: 110007****Date: 16/01/2020****Subject Name: Environmental Studies****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Enlist different types of components of the environment. Also explain any two in detail. **07**  
(b) Define food chain and food web with examples. **07**
- Q.2** (a) Describe the impact of technology on the environment. **07**  
(b) Explain the problems due to overexploitation of energy resources. **07**
- Q.3** (a) Enlist various bio-geochemical cycles. Describe oxygen cycle in detail. **07**  
(b) Describe various sources of water pollution. **07**
- Q.4** (a) Differentiate between renewable and non-renewable resources. **07**  
(b) Describe the causes and effects of deforestation. **07**
- Q.5** (a) Explain the structure of atmosphere with sketch. **07**  
(b) Enlist current environmental global issues and explain any two briefly. **07**
- Q.6** (a) Describe ecological pyramids. **07**  
(b) Explain various causes of land degradation. **07**
- Q.7** (a) Enlist various air pollutants and explain any two in detail. **07**  
(b) Describe various components of ecosystem. **07**

\*\*\*\*\*

www.FirstRanker.com