

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-IV(NEW) – EXAMINATION – SUMMER 2019****Subject Code:2141308****Date:25/05/2019****Subject Name: Environmental Resources****Time:02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

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

- Q.1** (a) Define: (i) Resource (ii) National Park (iii) Deforestation. **03**
(b) Identify sources of food. Explain them in short. **04**
(c) Enlist the unique characteristics of water and explain any three with example. **07**

- Q.2** (a) Write a short note on carbon footprint. **03**
(b) Define Malnourishment and Undernourishment. **04**
(c) What are the purposes, components and advantages of social forestry? **07**

OR

- (c) Enlist and explain merits and demerits of pesticides for protection of crop and food. **07**

- Q.3** (a) Justify the statement “Polluter pay principle”. **03**
(b) Write the parameters for Standards of Living and Quality of life. **04**
(c) Enlist different population theories and explain any one in detail. **07**

OR

- Q.3** (a) Explain role of CDM in environmental issues. **03**
(b) What are the causes of desertification? **04**
(c) Write a short note on Global Warming. **07**

- Q.4** (a) Explain the role of shifting cultivation in deforestation. **03**
(b) Define and explain consumptive & non consumptive uses of water. **04**
(c) Write a short note on “Ex-situ Biodiversity conservation”. **07**

OR

- Q.4** (a) Enlist national and international environmental movements. **03**
(b) Differentiate between ‘Reuse’ and ‘Recycle’ of water with examples. **04**
(c) Write a short note on “In-situ Biodiversity conservation”. **07**

- Q.5** (a) Define “Ethics” and relate its application to environment. **03**
(b) Differentiate between renewable and non-renewable energy resources. **04**
(c) What is Hydropower energy? Enlist advantages and disadvantages of hydropower. **07**

OR

- Q.5** (a) What is rain water harvesting? **03**
(b) Define exponential growth of population with its application & properties. **04**
(c) Justify the statement “Population as the root cause of pollution”. **07**
