

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII EXAMINATION – SUMMER 2016****Subject Code:183701****Date:18/05/2016****Subject Name:Environmental Planning & Management****Time:10:30 AM to 01:00 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) Describe the important parameters for environmental planning. Also write down national and state laws and acts to protect the environment. **07**
- (b) Write down the methodology of environmental audit in brief listing out its importance for industries. **07**
- Q.2** (a) Explain the concept of cash flow in and out by giving some examples. **07**
- (b) What do understand by Total Quality Management? What should be the characteristics of an effective TQM leader? **07**
- OR**
- (b) Write down detailed note organizational and functioning of ISO. Also list down the objectives of ISO. **07**
- Q.3** (a) Justify the following statement “Political willingness is important in environmental planning process”. **07**
- (b) Describe the importance of cleaner technologies in environmental protection. **07**
- OR**
- Q.3** (a) Explain various pre-audit, on-site audit and post-audit activities involved in process of environmental audit. **07**
- (b) Write down the procedure of value analysis and concept of time value of money? **07**
- Q.4** (a) Development is directly dependent on resource utilization planning. How? **07**
- (b) Discuss the correlation between population growth and carrying capacity. **07**
- OR**
- Q.4** (a) Justify Pollution control boards are playing significant role in maintaining better environmental condition. **07**
- (b) Describe cleaner production methodology and steps involved in implementation of cleaner technologies? **07**
- Q.5** (a) Describe the Plan-do-check-act (PDCA) cycle which forms the basis of ISO 14000 series of standards. **07**
- (b) Discuss various tools involved in Environmental Disaster Planning. **07**
- OR**
- Q.5** (a) What is urban planning? Explain significant parameters considered in urban planning. **07**
- (b) Write short note on: **07**
- (i) Adverse impact of planning
- (ii) Rehabilitation Problems