

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VIII • EXAMINATION – SUMMER 2015

Subject Code: 183701**Date: 07/05/2015****Subject Name: Environment Planning and Management****Time: 10.30am-01.00pm****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) Express ISO. Illustrate organizational structure and functioning of ISO? **07**
 (b) Analyse Plan-do-check-act (PDCA) cycle which forms the basis of ISO 14000 series of standards? **07**
- Q.2** (a) What do you apprehend by Total Quality Management? State various characteristics of an effective TQM leader. **07**
 (b) Elucidate the significance of cleaner technologies with examples. **07**
- OR**
- (b) Define Engineering Economics and Time Value of Money? **07**
- Q.3** (a) Explain the importance of Environmental Accounting. **07**
 (b) Enlist the various environmental protection laws in India and describe various agencies which are associated with Environmental Management in Gujarat? **07**
- OR**
- Q.3** (a) Describe the tools of Environmental Disaster Planning in detail? **07**
 (b) Explain various roles of Environmental Management Plan? **07**
- Q.4** (a) What is sustainable development? Give your view point on “Need for Environmental Planning and Management”? **07**
 (b) What were the objectives of United Nation’s Earth Summit and Rio-20 conference held in Brazil in the year 1992 and 2012 respectively? **07**
- OR**
- Q.4** (a) Analyze carrying capacity and population relationship with “Quality of life”. **07**
 (b) Explain various levels of carrying capacity evaluation? **07**
- Q.5** (a) Comment on India’s journey towards sustainability? **07**
 (b) Write down various pre-audit, on-site audit and post-audit activities associated with Environmental audit. **07**
- OR**
- Q.5** (a) What are the advantages of public participation and public hearings in context of important environmental decisions? **07**
 (b) Write some of the benefits and barriers in the pathway of cleaner technologies? **07**
