

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – SUMMER 2024****Subject Code: 3174029****Date:30-05-2024****Subject Name: Environmental Impact Assessment****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.
4. Simple and non-programmable scientific calculators are allowed.

| | | MARKS |
|------------|---|--------------|
| Q.1 | (a) Describe the goals of environmental management (EM). | 03 |
| | (b) Define environmental policies. What is the need of environmental policy in sustainable development. | 04 |
| | (c) Explain the principles of EIA. | 07 |
| Q.2 | (a) Discuss environmental ethics and the factors that necessitate it. | 03 |
| | (b) Discuss the advantages and weaknesses in EIA. | 04 |
| | (c) Explain the Environmental Clearance Procedure in India. | 07 |
| OR | | |
| | (c) What is Environmental Impact Statement. Explain its various types. | 07 |
| Q.3 | (a) Discuss how EIA has evolved in India. | 03 |
| | (b) Differentiate between private laws and public laws. | 04 |
| | (c) Explain the steps involved in EIA process. | 07 |
| OR | | |
| Q.3 | (a) Discuss how EIA has evolved in the world. | 03 |
| | (b) Discuss the different participants in EIA. | 04 |
| | (c) Differentiate between EIA and SEA. | 07 |
| Q.4 | (a) How to estimate the significance of an environmental impact? | 03 |
| | (b) Briefly Explain the Leopold Matrix method. | 04 |
| | (c) Describe in detail the Socio-economic environment impacts of an Industrial Project. | 07 |
| OR | | |
| Q.4 | (a) Discuss the environmental impact prediction, evaluation, and mitigation. | 03 |
| | (b) Explain the different types of checklists methods for EIA. | 04 |
| | (c) Define Baseline study. Explain its importance in EIA and the way it is carried out. | 07 |

- Q.5** (a) Discuss the objectives and scope of environmental auditing. **03**
(b) Enlist the reasons behind conducting an environmental audit. **04**
(c) Explain the elements of an audit process. **07**

OR

- Q.5** (a) What is the importance of an environmental Audit? **03**
(b) Describe the different types of environmental audits. **04**
(c) Explain the basic steps involved in a typical audit procedure. **07**
