# SRMVALLIAMMAIENGINEERINGCOLLEGE (AnAutonomousInstitution)

SRMNagar, Kattankulathur – 603203

## DEPARTMENTOFCIVIL ENGINEERING QUESTIONBANK



#### VIISEMESTER

#### 1903716 - ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

(Common to AGRI, EEE, ECE, CSE & MECH)

Regulation–2019 Academic Year 2022–2023

Preparedby

Mr. SATTAINATHAN SHARMA A

AssistantProfessor/Civil Engineering



#### SRMVALLIAMMAIENGINEERINGCOLLEGE

SRMNagar, Kattankulathur – 603203.



## DEPARTMENTOFCIVILENGINEERING OUESTION BANK

SUBJECT: 1903716 - ENVIRONMENTAL AND SOCIAL IMPACTASSESSMENT

**SEM /YEAR:VII/IV** 

**BRANCH: Common to all branches** 

#### **UNIT-I: INTRODUCTION**

Impacts of Development on Environment – Rio Principles of Sustainable Development Environmental Impact Assessment (EIA) – COURSE OBJECTIVES: – Historical development – EIA Types – EIA in project cycle –EIA Notification and Legal Framework– Stakeholders and their Role in EIA– Selection & Registration Criteria for EIA Consultants

| 1.  | What do you mean by EIA?   | BT-1 | Remembering   |
|-----|--|------|---------------|
| 2.  | Brief about RIO Principles.  | BT-1 | Remembering   |
| 3.  | Recall theneed for conducting Environmental Impact Assessment?                           | BT-1 | Remembering   |
| 4.  | What are the key elements in EIA as per Government of India notification?                | BT-1 | Remembering   |
| 5.  | Give the need and importance of EIA.   | BT-1 | Remembering   |
| 6.  | Recall Article 38 A & Article 51 A (g) under Indian context.                             | BT-1 | Remembering   |
| 7.  | Name few important environment acts.   | BT-1 | Remembering   |
| 8.  | Enlist various types of EIA.   | BT-1 | Remembering   |
| 9.  | Recall the 3 core values of EIA.   | BT-1 | Remembering   |
| 10. | Give the various sectors ofimpact assessment divisions.                                  | BT-1 | Remembering   |
| 11. | Write about EIA Notification 2020.   | BT-3 | Applying      |
| 12. | Name the different types of impact assessment.   | BT-1 | Remembering   |
| 13. | Who are all involved in an EIA study?  | BT-1 | Remembering   |
| 14. | Give any 4 Rio principles of sustainable development.                                    | BT-1 | Remembering   |
| 15. | Recite the main objectives of environment acts.  | BT-3 | Applying      |
| 16. | How can stakeholders contribute to the EIA process?                                      | BT-1 | Remembering   |
| 17. | What are all the acts under which NGT deals with the civil cases related to environment? | BT-1 | Remembering   |
| 18. | How is EIA used to assess the environmental impacts?                                     | BT-1 | Remembering   |
| 19. | What is important for the stakeholders in the EIA process?                               | BT-1 | Remembering   |
| 20. | Express the important aspects of EIA.  | BT-2 | understanding |
| 21. | Express the Salient Features of latest Amendment to EIA Notification.                    | BT-2 | understanding |
| 22. | What are all the benefits of EIA?  | BT-1 | Remembering   |
| 23. | Indicate the Shortcomings of Environmental Impact Assessment.                            | BT-1 | Remembering   |
| 24. | Group the Environmental Components of EIA.   | BT-1 | Remembering   |
| 25. | Name the regional offices places in India for drafting EIA.                              | BT-1 | Remembering   |

## PART-B

| 1.  | Outline the EIA for Development Assistance in detail.   | BT-2 | understanding |
|-----|---|------|---------------|
| 2.  |   |      |               |
|     | Explain briefly, why environment protection is necessary?   | BT-1 | Remembering   |
| 3.  | Brief in detail about  a) Rio +5 summit  b) Rio +10 summit. c) Rio +20 summit   | BT-1 | Remembering   |
| 4.  | Indicate and brief the various International conferences and conventions on environment.  | BT-2 | understanding |
| 5.  | Write short notes on  a) Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (FRA)  b) The National Green Tribunal Act, 2010 c) Compensatory Afforestation Fund Act, 2016 d) The energy conservation act, 2001 e) Biological diversity act 2002 | BT-3 | Applying      |
| 6.  | Describe in detail about EIA legal framework (Expert Committee).  | BT-2 | understanding |
| 7.  | Discuss about the history of EIA  a) Worldwide b) India   | BT-3 | Applying      |
| 8.  | Enlist and recall Rio principles (Declaration) on Environment and Sustainable Development   | BT-1 | Remembering   |
| 9.  | Discuss in detail about the typology of Participation in EIA.   | BT-3 | Applying      |
| 10. | Interpret the Criteria for registration of EIA Consultant organization.   | BT-3 | Applying      |
| 11. | Brief and relate the Constraints to Stakeholder Involvement in EIA  | BT-3 | Applying      |
| 12. | Discover and brief the various types of EIA.  | BT-1 | Remembering   |
| 13. | Paraphrase  a) The Wildlife (Protection) Act, 1972  b) The Water (Prevention and Control of Pollution) Act  c) The Air (prevention and control of pollution) act  d) The Environment (Protection) Act   | BT-2 | understanding |
| 14. | Discover about various environmental policies.  | BT-3 | Applying      |
| 15. | Record any 13 Rio principles of sustainable development in detail.  | BT-3 | Applying      |
| 16. | Order and brief the salient features of EIA.  | BT-1 | Remembering   |
| 17. | Write short notes  a) Montreal Protocol  b) Kyoto Protocol  | BT-2 | understanding |

## PART-C

| 1. | Discuss in detail about EIA Notification 2020.                                   | BT-3 | Applying      |
|----|--|------|---------------|
| 2. | Explain the commitments of India in the field of environment.                    | BT-2 | understanding |
| 3. | Take a reference country and compare the EIA with that of India.                 | BT-3 | Applying      |
| 4. | Discuss about any 5 environmental legislation acts in detail.                    | BT-2 | understanding |
| 5. | As a student, Why EIA is important in your perspective? Tell your views on this. | BT-2 | understanding |

#### UNIT-II: ENVIRONMENTAL ASSESSMENT

Screening and Scoping in EIA – Drafting of Terms of Reference, Baseline monitoring, Prediction and Assessment of Impact on land, water, air, noise and energy, flora and fauna - Matrices – Networks – Checklist Methods - Mathematical models for Impact prediction – Analysis of alternatives.

| 1.  | Write the various objectives of sustainable development.          | BT-3 | Applying      |
|-----|---|------|---------------|
| 2.  | Recall the physical variables that affects the environment.       | BT-1 | Remembering   |
| 3.  | Sketch the project cycle in EIA.                                  | BT-1 | Remembering   |
| 4.  | Who are all the Main Participants of EIA?                         | BT-1 | Remembering   |
| 5.  | Express ERA in your words.  | BT-2 | Understanding |
| 6.  | Give the composition of the expert committees for EIA.            | BT-2 | Understanding |
| 7.  | Record the Methodologies for EIA.                                 | BT-1 | Remembering   |
| 8.  | What is screening in EIA Process?                                 | BT-1 | Remembering   |
| 9.  | What is scoping in EIA process?                                   | BT-1 | Remembering   |
| 10. | Distinguish between Screening and Scoping in EIA.                 | BT-2 | Understanding |
| 11. | Discuss about the Requirements of EIA Methodologies.              | BT-3 | Applying      |
| 12. | Recall the objectives of EIA Methodologies?                       | BT-1 | Remembering   |
| 13. | Define SEIA.  | BT-1 | Remembering   |
| 14. | Differentiate Regional and Rapid EIA.                             | BT-2 | Understanding |
| 15. | StateBaseline monitoring.   | BT-1 | Remembering   |
| 16. | Define sustainable development.                                   | BT-1 | Remembering   |
| 17. | Enlist Methods of Impact Identification.                          | BT-1 | Remembering   |
| 18. | Generalize the factors that decides the choice of EIA method.     | BT-3 | Applying      |
| 19. | Name the types of checklist method of EIA.                        | BT-1 | Remembering   |
| 20. | Give the types of matrix method of EIA.                           | BT-1 | Remembering   |
| 21. | Enlist the factors affecting selection of preferred alternatives. | BT-1 | Remembering   |
| 22. | Recall the merits and demerits of Matrix method.                  | BT-1 | Remembering   |
| 23. | Recite the advantages and disadvantages of Adhoc method.          | BT-1 | Remembering   |
| 24. | Enlist the criteria for the selection of EIA methodology.         | BT-1 | Remembering   |
| 25. | List few environmentally sensitive areas.                         | BT-2 | Understanding |

## PART-B

| 1.  | Overview of the stages of the EIA process.  | BT-1 | Remembering   |
|-----|---|------|---------------|
| 1.  | 2   |      | Kemembernig   |
| 2.  | Relate and summarize key considerations in selecting Environmental impact assessment methodologies.               | BT-2 | Understanding |
| 3.  | Describe Environment Risk assessment in detail.   | BT-3 | Applying      |
| 4.  | What are all the sections comes under Terms of Reference in EIA?  | BT-1 | Remembering   |
| 5.  | With a neat sketch, discuss about checklist method of EIA.  | BT-3 | Applying      |
| 6.  | Discuss about Adhoc Method on the basis of impact identification strength.  | BT-3 | Applying      |
| 7.  | Paraphrase about Matrices methods along with its types.   | BT-2 | Understanding |
| 8.  | With a neat sketch, discuss about network model of EIA.   | BT-3 | Applying      |
| 9.  | What is an overlay model in EIA? Brief with merits and demerits.  | BT-1 | Remembering   |
| 10. | Explain the Prediction and Assessment of Impact on land.  | BT-2 | Understanding |
| 11. | Summarize the Prediction and Assessment of Impact on water.   | BT-2 | Understanding |
| 12. | Discuss about the Prediction and Assessment of Impact on air.   | BT-2 | Understanding |
| 13. | Relate and report the impact noise and energy in EIA assessment.  | BT-2 | Understanding |
| 14. | Write down the advantages and disadvantages of checklist, matrices and networks methods of impact identification. | BT-1 | Remembering   |
| 15. | What do you mean by sustainable development? Brief it.  | BT-2 | Understanding |
| 16. | Paraphrase the prediction and assessment of impact on flora and fauna.  | BT-2 | Understanding |
| 17. | Brief about   | BT-3 | Applying      |
|     | a. various category of EIA projects.  |      |               |
|     | b. Environment sensitive areas  |      |               |

## PART-C

| 1. | Enlist and brief the Criteria for selection of EIA Methods.   | BT-3 | Applying      |
|----|---|------|---------------|
| 2. | With examples, explain about impact prediction in EIA.  | BT-3 | Applying      |
| 3. | Write short notes on     a. Identification of the project components     b. Identification of the project actions     c. Identification and evaluation of the relevance of the impact factors | BT-2 | Understanding |
| 4. | With the help of case study, explain about the various methodologies of impact prediction.  | BT-3 | Applying      |
| 5. | Enlist and explain about various consideration of alternatives in EIA.  | BT-1 | Remembering   |

#### UNIT-III: ENVIRONMENTAL MANAGEMENT PLAN

Plan for mitigation of adverse impact on water, air and land, water, energy, flora and fauna – Environmental Monitoring Plan – EIA Report Preparation – Review of EIA Reports – Addressing the issues related to the Project Affected People -Environmental Clearance Post Project Monitoring.

### **PART-A**

| 1.  | What is the need for Environmental Management System (EMS)?     | BT-1 | Remembering   |
|-----|---|------|---------------|
| 2.  | Define Environment Management Plan.                             | BT-1 | Remembering   |
| 3.  | Define Bio-diversity.   | BT-1 | Remembering   |
| 4.  | Define life cycle management.                                   | BT-1 | Remembering   |
| 5.  | Give the steps in Preparation of EIA report                     | BT-1 | Remembering   |
| 6.  | What do you understand by mitigation?                           | BT-1 | Remembering   |
| 7.  | Differentiate ERA and ERM.                                      | BT-2 | Understanding |
| 8.  | Give different types of monitoring in EIA.                      | BT-1 | Remembering   |
| 9.  | Tell about Environment ethics.                                  | BT-1 | Remembering   |
| 10. | Define mitigation monitoring.                                   | BT-1 | Remembering   |
| 11. | Define compliance monitoring.                                   | BT-1 | Remembering   |
| 12. | What is an impact mitigation plan?                              | BT-1 | Remembering   |
| 13. | Sketch the framework for risk management.                       | BT-1 | Remembering   |
| 14. | Enlist the difficulties in implementing EMP.                    | BT-1 | Remembering   |
| 15. | Define Environmental audit.                                     | BT-1 | Remembering   |
| 16. | What are the objectives of environmental audit?                 | BT-1 | Remembering   |
| 17. | Differentiate the terms monitoring, surveying and surveillance. | BT-2 | Understanding |
| 18. | What is an EIA report?  | BT-1 | Remembering   |
| 19. | Tell the object of Environment audit.                           | BT-1 | Remembering   |
| 20. | Differentiate deforestation and afforestation.                  | BT-2 | Understanding |
| 21. | Recall the benefits of environment audit.                       | BT-1 | Remembering   |
| 22. | Give the types of environment audit.                            | BT-1 | Remembering   |
| 23. | Cite the limitations of environment audit.                      | BT-2 | Understanding |
| 24. | Why EIA reports are prepared?                                   | BT-1 | Remembering   |
| 25. | Brief about Environmental Clearance.                            | BT-2 | Understanding |

#### PART-B

| 1. | Write short notes on  | BT-1 | Remembering   |
|----|---|------|---------------|
|    | a) Functions of corporate environment department                    |      |               |
|    | b) Functions of project environment management cell                 |      |               |
|    | c) Functions of construction contractors                            |      |               |
| 2. | Review the mitigation measures of adverse environmental impacts     | BT-3 | Applying      |
|    | during operational phase of engineering project.                    |      |               |
| 3. | Discuss in detail about the steps in Preparation of EIA report.     | BT-3 | Applying      |
| 4. | Review the mitigation measures of adverse environmental impacts     | BT-3 | Applying      |
|    | during construction phase of engineering project.                   |      |               |
| 5. | Review the mitigation measures of adverse environmental impacts     | BT-3 | Applying      |
|    | against biological impact.  |      |               |
| 6. | Review the mitigation measures of adverse environmental impact      | BT-3 | Applying      |
|    | monitoring of groundwater   |      |               |
| 7. | Outline the environmental monitoring requirement, sampling methods, | BT-2 | Understanding |

|     | frequency and reporting requirements for Air Quality Monitoring.   |      |               |
|-----|--|------|---------------|
| 8.  | Describe the working of environmental management plan.             | BT-3 | Applying      |
| 9.  | Outline the stages involved in legal land acquisition process.     | BT-2 | Understanding |
| 10. | Discuss about mitigations on construction and operational phase of | BT-1 | Remembering   |
|     | land environment.  |      |               |
| 11. | Discuss the mitigation measures for energy conservation.           | BT-2 | Understanding |
| 12. | Discuss about mitigations on construction and operational phase of | BT-2 | Understanding |
|     | air polluted environment.  |      |               |
| 13. | Briefly discuss about Environmental monitoring.                    | BT-2 | Understanding |
| 14. | Discuss about  | BT-2 | Understanding |
|     | a) Types of environment audit                                      |      |               |
|     | b) Environmental Audit Steps                                       |      |               |
| 15. | Write short notes on   | BT-1 | Remembering   |
|     | a) Air Environment   |      |               |
|     | b) Biological Environment  |      |               |
|     | c) Noise Environment   |      |               |
|     | d) Land Environment  |      |               |
| 16. | Outline Environment clearance.                                     | BT-2 | Understanding |
| 17. | Discuss about the problems associated with exploitation of forest. | BT-2 | Understanding |

#### **PART-C**

| 1. | With the example, explain the mitigation measures proposed to be adopted during the construction and operation phases of the project overall mitigation measures | BT-3 | Applying      |
|----|--|------|---------------|
| 2. | Prioritize and explain Environmental Audit Stages.   | BT-2 | Understanding |
| 3. | Summarize some good practice note addressing the grievances from Project-Affected Communities.   | BT-3 | Applying      |
| 4. | Outline the environmental monitoring requirement, sampling methods, frequency and reporting requirements for water Quality Monitoring.                           | BT-3 | Applying      |
| 5. | Explain Environmental Monitoring Plan for Air and water bodies.  | BT-3 | Applying      |

#### UNIT-IV: SOCIO ECONOMIC ASSESSMENT

Baseline monitoring of Socio economic environment – Identification of Project Affected Personal – Rehabilitation and Resettlement Plan- Economic valuation of Environmental impacts – Cost benefit Analysis.

| 1 | What is Socio-Economic Impact Assessment? | BT-1 | Remembering |
|---|---|------|-------------|
| 2 | Define baseline monitoring.               | BT-1 | Remembering |
| 3 | What do you mean by resettlement?         | BT-1 | Remembering |
| 4 | Define Rehabilitation.                    | BT-1 | Remembering |
| 5 | Define cost benefit analysis.             | BT-1 | Remembering |
| 6 | Enlist the application CBA.               | BT-1 | Remembering |
| 7 | Enlist the six steps of SEIA.             | BT-1 | Remembering |

| 8  | What are re-rehabilitation and resettlement (R&R) benefits?                          | BT-1 | Remembering   |
|----|--|------|---------------|
| 9  | Discuss about Environmental Economics.   | BT-3 | Applying      |
| 10 | Enlist various types of cost.  | BT-1 | Remembering   |
| 11 | Sketch the information flow in prediction and assessment of socio economic impacts.  | BT-2 | Understanding |
| 12 | Sketch the Procedure for assessing socio-economic impact significance.               | BT-2 | Understanding |
| 13 | Explain the four main phases of LCA.   | BT-3 | Applying      |
| 14 | What are the limitations under National Rehabilitation and resettlement policy 2007? | BT-1 | Remembering   |
| 15 | Define LCA.  | BT-1 | Remembering   |
| 16 | What are all the advantages of CBA?  | BT-1 | Remembering   |
| 17 | Define Financial Evaluation  | BT-1 | Remembering   |
| 18 | Why undertake a cost-benefit analysis?   | BT-1 | Remembering   |
| 19 | Define displaced persons and displaced family.                                       | BT-1 | Remembering   |
| 20 | Recall the possibilities of people getting affected because of improper environment. | BT-1 | Remembering   |
| 21 | List few environment impacts.  | BT-1 | Remembering   |
| 22 | What are all the disadvantages of CBA?   | BT-1 | Remembering   |
| 23 | Define Economics.  | BT-1 | Remembering   |
| 24 | What does Rehabilitation Action Plan covers?   | BT-1 | Remembering   |
| 25 | What do you mean by cost benefit analysis?   | BT-1 | Remembering   |

## PART B

| 1  | Discuss in detail about the activities involved in R & R programme.                                   | BT-2 | Understanding |
|----|---|------|---------------|
| 2  | Elaborate the main R & R institutions involved in detail.   | BT-3 | Applying      |
| 3  | Discuss about cost benefit analysis.  | BT-2 | Understanding |
| 4  | Explain about SIA approaches and methodologies.   | BT-2 | Understanding |
| 5  | Discuss about conceptual frame work for socio-economic assessment.                                    | BT-2 | Understanding |
| 6  | Brief the tasks of health impact assessment.  | BT-2 | Understanding |
| 7  | Explain in detail about various types of cost.  | BT-3 | Applying      |
| 8  | Discuss the socio-economic factors and their potential changes resulting from project implementation. | BT-2 | Understanding |
| 9  | Relate about Impact Prediction with and without Project in detail.                                    | BT-3 | Applying      |
| 10 | Write short notes on a) goals and purpose of LCA b) stages in LCA                                     | BT-3 | Applying      |
| 11 | Report about the rehabilitation due to dams & mines   | BT-3 | Applying      |
| 12 | What are the major types of LCA? Explain them in detail.  | BT-3 | Applying      |
| 13 | Discuss about the displacement due to National Parks.   | BT-2 | Understanding |
| 14 | Discuss about rehabilitation issues.  | BT-2 | Understanding |

| 15 | Discuss about the natural and manmade reasons for rehabilitation. | BT-2 | Understanding |
|----|---|------|---------------|
| 16 | Brief about Rehabilitation Action Plan.                           | BT-2 | Understanding |
| 17 | Summarize any one R&R Plan in India.                              | BT-3 | Applying      |

#### **PART-C**

| 1. | ± 1/1/   | BT-2 | Understanding |
|----|--|------|---------------|
|    | multipurpose project   |      |               |
| 2. | Explain about KELO Project.  | BT-3 | Applying      |
| 3. | Give Screening Criteria Application checklist methodology for addressing | BT-2 | Understanding |
|    | socio-economic impacts.  |      |               |
| 4. | Explain in detail about NRRP – 2007.                                     | BT-3 | Applying      |
| 5. | Tell about the classification and prediction of impacts.                 | BT-3 | Applying      |

#### **UNIT-V:CASE STUDIES**

EIA case studies pertaining to Infrastructure Projects – Real Estate Development - Roads and Bridges – Multi-storey Buildings Mass Rapid Transport Systems - Ports and Harbor – Airports - Dams and Irrigation projects - Power plants – Water supply and drainage projects- Waste water treatment plants, STP – Mining Projects

| 1  | Define Infrastructure.   | BT-1 | Remembering   |
|----|--|------|---------------|
| 2  | Tell us about real estate and its development in India.                        | BT-1 | Remembering   |
| 3  | List few waste water treatment plants in India.                                | BT-1 | Remembering   |
| 4  | Enlist few mining projects in India.   | BT-1 | Remembering   |
| 5  | What do you mean by sustainable development?                                   | BT-1 | Remembering   |
| 6  | Who is involved in an EIA study?   | BT-1 | Remembering   |
| 7  | Tell the important aspects of EIA  | BT-1 | Remembering   |
| 8  | Report the benefits of EIA.  | BT-3 | Applying      |
| 9  | Name the acts involved in EIA formation.                                       | BT-1 | Remembering   |
| 10 | What is the role of central government on EIA?                                 | BT-1 | Remembering   |
| 11 | Why EIA notification is sent for public hearing?                               | BT-1 | Remembering   |
| 12 | Outline the limitations of EIA   | BT-1 | Remembering   |
| 13 | Recall the some power plant projects that influences EIA.                      | BT-1 | Remembering   |
| 14 | Tell us how irrigation projects involved in EIA.                               | BT-1 | Remembering   |
| 15 | What are the Constraints to Stakeholder Involvement in EIA?                    | BT-1 | Remembering   |
| 16 | Recall the some Road and Bridge projects that influences EIA.                  | BT-1 | Remembering   |
| 17 | Differentiate Environment audit and environment plan.                          | BT-2 | understanding |
| 18 | What do you mean by case study analysis?                                       | BT-1 | Remembering   |
| 19 | When was the latest EIA notification published? Discuss about it.              | BT-1 | Remembering   |
| 20 | What is Rio principles is all about? Brief it.                                 | BT-1 | Remembering   |
| 21 | Do EIA necessary in countries like India? Justify your answer.                 | BT-1 | Remembering   |
| 22 | Name the Physical Resources of Environmental Impact of Industrial Development. | BT-1 | Remembering   |

| 23 | Name the Ecological Resources of Environmental Impact of Industrial | BT-1 | Remembering   |
|----|---|------|---------------|
|    | Development.  |      |               |
| 24 | Discuss about project sitting.                                      | BT-2 | understanding |
| 25 | Give the important aspects of EIA.                                  | BT-1 | Remembering   |

## **PART-B**

| 1   | Report an example EIA case studies pertaining to Infrastructure Projects.   | BT-4 | Analysis      |
|-----|---|------|---------------|
| 2   | Examine and infer EIA case studies pertaining to Multi-storey Buildings   | BT-4 | Analysis      |
| 3   | Construct the Comparative review of EIA procedures and practices.   | BT-2 | understanding |
| 4   | With help of case study, discuss about EIA of Bulk Drug Industry - Environmental Impact Assessment.                 | BT-4 | Analysis      |
| 5   | Summarize the Environmental impact assessment study of Navimumbai international airport                             | BT-2 | understanding |
| 6.  | Write short notes on physical and ecological resources in evaluating the impact of industrial development projects. | BT-1 | Remembering   |
| 7.  | With help of case study, discuss about assessment of Impacts of Traffic and Transportation.                         | BT-4 | Analysis      |
| 8.  | Report the General Guidelines for Preparation of TORs for EIA.  | BT-3 | Applying      |
| 9.  | Report a case study of EIA pretending to Ports and Harbor.  | BT-3 | Applying      |
| 10. | Discover Environmental Impacts of Highway/Road Development Projects   | BT-3 | Applying      |
| 11. | Interpret a case study of EIA pretending to Real Estate Development.  | BT-3 | Applying      |
| 12. | Discuss about 2006 Amendment of EIA Notification and its impacts.   | BT-3 | Applying      |
| 13. | Discuss about National Environmental policy act.  | BT-3 | Applying      |
| 14. | How irrigation projects will have an impact on environment? Explain with the help of a case study.                  | BT-3 | Applying      |
| 15. | Discuss about Preparation of EIA for Industrial Projects.   | BT-3 | Applying      |
| 16. | Report EIA analysis of thermal power plant at Raigarh.  | BT-4 | Analysis      |
| 17. | With help of case study, discuss about assessment of Impacts of Waste water treatment plants                        | BT-4 | Analysis      |

## PART-C

| 1. | How is EIA used to assess the environmental impacts? Explain with   | BT-3 | Applying |
|----|---|------|----------|
|    | examples.   |      |          |
| 2. | With help of case study, discuss about assessment of Impacts of Water supply and drainage projects.         | BT-4 | Analysis |
| 3. | Take a mining affected area and report the impact related to environment.                                   | BT-4 | Analysis |
| 4. | Explain with the help of Case Study about the Impact Assessment on Soil Erosion due to Highway Construction | BT-3 | Applying |
| 5. | Report EIA analysis of any dams constructed in India.   | BT-4 | Analysis |