Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec – 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **14CE3038** | **Duration :** | **3hrs** |
| **Sub. Name :** | **ENVIRONMENTAL IMPACT ASSESSMENT** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | List out various places where EIA needed. | CO 1 | 1 |
| b. | What is stepped matrix method? | CO 2 | 1 |
| c. | What are the important aspects of EIA? | CO 1 | 5 |
| d. | Explain about scope of EIA. | CO 1 | 5 |
| e. | Explain the principles of EIA. | CO 1 | 8 |
| (OR) | | | | |
| 2. | a. | What are two drawback of ad-hoc method? | CO 2 | 2 |
| b. | Where are experts drawn from for EIA? | CO 1 | 2 |
| c. | Explain the purpose of EIA. | CO 1 | 4 |
| d. | Why is EIA important? | CO 1 | 4 |
| e. | List the various EIA methods. What are the criteria used for selecting best EIA method in a given situation? | CO 2 | 8 |
| 3. | a. | What are the chemical properties of water? | CO 2 | 1 |
|  | b. | What is Battelle Environmental Evaluation System? |  | 1 |
|  | c. | Explain the three core values of EIA? | CO 1 | 4 |
|  | d. | Numerate the legal bases of EIA. | CO 2 | 7 |
|  | e. | Explain the EIA methodology. | CO 1 | 7 |
| (OR) | | | | |
| 4. | a. | List out methods of EIA. | CO 2 | 2 |
|  | b. | What are the surface water bodies? | CO 2 | 2 |
|  | c. | What is a impact interpolation and evaluation criterion for selecting EIA methodologies? | CO 1 | 4 |
|  | d. | What are various pollution load factors? | CO 2 | 6 |
|  | e. | Explain one case study for the Environmental Impact Assessment. | CO 1 | 6 |
| 5. | a. | In which terms water quality is examinied? | CO 1 | 1 |
|  | b. | What are the objectives and scope of EIA auditing? | CO 2 | 1 |
|  | c. | What is impact communication criterion for selecting EIA methodologies? | CO 1 | 5 |
|  | d. | Discuss the salient features of Rapid assessment methods. | CO 1 | 5 |
|  | e. | What are different categories of check methods? Discuss different environmental factors to be considered in check list methods. | CO 2 | 8 |
| (OR) | | | | |
| 6. | a. | What is the importance of EIA auditing? | CO 1 | 2 |
|  | b. | What are the reasons for environmental auditing? | CO 2 | 2 |
|  | c. | Check list are useful in which conditions better? | CO 2 | 4 |
|  | d. | What are types of objective – based EIA auditing? | CO 1 | 6 |
|  | e. | What are ad-hoc methods? Where they are useful? What are its draw backs? | CO 2 | 6 |
| 7. | a. | What is EIA Auditing? | CO 1 | 1 |
|  | b. | What are the objectives of EIA auditing? | CO 1 | 1 |
|  | c. | What is scope of EIA auditing? | CO 1 | 5 |
|  | d. | What are types of client driven EIA auditing? | CO 1 | 5 |
|  | e. | Explain about waste audits and pollution prevention assessments. | CO 2 | 8 |
| (OR) | | | | |
| 8. | a. | What are EIA auditing responsibilities? | CO 1 | 2 |
|  | b. | What are the different activities in a major road laying project likely to have impacts on Soil and ground water environment. | CO 1 | 2 |
|  | c. | What are the reasons for environmental auditing? | CO 1 | 4 |
|  | d. | Discuss what are secondary impacts that can be visualized in dredging and pulp mill projects? | CO 2 | 4 |
|  | e. | Explain about types of auditing. | CO 1 | 8 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Define Environmental Impact Assessment? | CO 1 | 1 |
|  | b. | Who gives the clearance for foresting projects? | CO 2 | 2 |
|  | c. | Explain any two environmental components of EIA. | CO 1 | 4 |
|  | d. | List out methods of EIA and Explain briefly. | CO 2 | 4 |
|  | e. | What are the steps taken in Environmental Impact Assessment? | CO 1 | 9 |

ALL THE BEST