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–Apr/May 2017**

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| **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. | Explain main stages in EIA Process. | CO2 | 10 |
| b. | Discuss about the need of EIA for engineering projects. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | List down the factors affecting EIA evaluation and analysis. | CO2 | 10 |
| b. | Summarise the requirements for preparation of environmental base map. | CO1 | 10 |
| 3. | a. | Summarise the impact of mining activity on the soil. | CO2 | 10 |
| b. | Explain the procedure for delineation of study area for EIA. | CO2 | 10 |
| (OR) | | | | |
| 4. | a. | Explain giving illustration matrix method of EIA that emphasizes interaction between various projects actions and environmental parameters and components. | CO2 | 10 |
| b | Discuss the criterion for environmental impact assessment method. | CO1 | 10 |
| 5. | a. | Explain giving illustration ad-hoc method of EIA. What is its limitation. | CO1 | 10 |
| b. | How cost benefit analysis is carried out for the selected EIA method? | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Enumerate the various sources of air pollution. | CO2 | 10 |
| b. | Explain the generalized approach for assessment of air pollution impact. | CO2 | 10 |
| 7. |  | Write short notes on: |  |  |
| a | Environmental legislation. | CO1 | 5 |
| b | Stages of environmental audit. | CO1 | 5 |
| c | Objectives of environmental audit. | CO1 | 5 |
| d | Preparation of environmental report | CO2 | 5 |
| (OR) | | | | |
| 8. |  | Explain environmental impact statement prepared for roadways under  construction. | CO2 | 20 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Examine the effects of deforestation on water resources. | CO2 | 10 |
|  | b. | Discuss the impact of developmental activities on wild life in forest watershed. | CO2 | 10 |

ALL THE BEST