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 :** | **14CE3044** | **Duration :** | **3hrs** |
| **Sub. Name :** | **REMOTE SENSING AND GIS** | **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 Energy interaction with atmosphere. | CO1 | 10 |
| b. | Discuss in detail about different types resolutions related to RS. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | Demonstrate the significant of Radiometric resolutions. | CO2 | 10 |
| b. | Explain spectral reflectance curve with an aid of diagram. | CO1 | 10 |
| 3. | a. | List and explain image classification. |  | 15 |
|  | b. | Explain passive RS and active RS. | CO1 | 5 |
| (OR) | | | | |
| 4. |  | Discuss in detailed about application of RS. | CO3 | 20 |
| 5. | a. | List and explin the sensors used in Landsat programme. | CO2 | 10 |
|  | b. | Write a short note on common sources of error in GIS. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Elaborate the features and applications of Remote Sensing Satellites. | CO3 | 10 |
|  | b. | Discuss in detail about raster data editing. | CO2 | 10 |
| 7. |  | Write a note types of GIS. | CO1 | 20 |
| (OR) | | | | |
| 8. |  | Discuss in details about Database Management System in GIS. | CO2 | 20 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Demonstrate components of GIS. | CO2 | 10 |
|  | b. | Demonstrate the principle of RS. | CO3 | 10 |

ALL THE BEST