

Reg.No. _____



Karunya 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

Code : 14CE3044
Sub. Name : Remote Sensing and GIS

Semester : 2016-17 ODD
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

| 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. | a. | 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. | a. | Write a note types of GIS. | CO1 | 20 |
| (OR) | | | | |
| 8. | a. | Discuss in details about Database Management System in GIS. | CO2 | 20 |
| <u>Compulsory:</u> | | | | |
| 9. | a. | Demonstrate components of GIS. | CO2 | 10 |
| | b. | Demonstrate the principle of RS. | CO3 | 10 |

ALL THE BEST