

MGIS-03/PGDGIS-03/CGIS-03

Remote Sensing & GPS

Master of Geographical Information System/

Post Graduate Diploma in Geographic

Information system/ Certificate in

Geographical Information System

(MGIS/PGDGIS/CGIS-11/16/17)

1st Semester, Examination 2019

Time : 3 Hours

Max. Marks : 80

Note : This Paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section- A

(Long-Answer-type questions)

Note : Section 'A' Contains Five (05) Long-Answer type questions of Fifteen (15) marks each. Learners are required to answer any three (03) questions only.

(3 x 15 =45)

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P. T. O.

1. What is Electromagnetic Spectrum in Remote Sensing? Explain different wavelength regions and frequency of the electromagnetic spectrum.
2. What is RESOURCESAT 1 and RESOURCESAT 2? Explain the characteristics of AWiFS, LISS-III and LISS-IV.
3. What do you mean by Across Track scanning and Along Track Scanning in Remote Sensing?
4. What is resolution in remotely sensed imageries? Explain different types of resolution and its importance in mapping applications. Which Indian satellites is having different spatial resolution sensors in single satellite?
5. What is Location Based Services (LBS)? How GPS or GNSS can improve the LBS. Explain the difference between GAGAN and GPS.

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Section - B
(Short-Answer-Type questions)

Note : Section 'B' contains eight (08) Short-answer type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only.

(5x7=35)

1. What is Remote Sensing? Describe different types of Remote Sensing.
2. What is digital Image Processing?
3. What is NaVIC or IRNSS?
4. What are different source of errors in GPS?
5. What is spectral resolution?
6. What are the different characteristics of remote sensing satellite?

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7. What is active and passive Remote Sensing?
8. What are the different types of platforms in Remote Sensing?

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