

Total No. of Printed Pages : 4

Roll No.....

MGIS-03/PGDGIS-03/CGIS-03
REMOTE SENSING AND GPS

Master of Geographical Information System/Post
Graduate Diploma in Geographical Information
System/Certificate in Geographical Information
System (MGIS/PGDGIS/CGIS-11/16/17)

First Year, Examination-2020

Time Allowed : 2 Hours

Maximum Marks : 80

Note : This paper is of Eighty (80) marks divided into Two (02) sections A and B. Attempt the question 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 Twenty (20) marks each. Learners are required to answer any two (02) questions only. (2×20=40)

1. What is Remote Sensing? Explain the Processes of Remote Sensing.
2. What is Spectral signature in Remote Sensing? Draw and explain the spectral signature of vegetation and water.
3. What do you mean by keys of Image interpretation? Explain with examples.
4. What is multi-spectral and hyperspectral imageries in Remote Sensing? Explain the Scattering signature.
5. What is GNSS? Discuss the difference between L band and S band navigation systems with example. Which band is used by Indian Regional Navigation Satellite System of NaVIC.

Section-B

(Short answer type questions)

Note: Section-B Contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any four (04) questions only. (4×10=40)

1. What is Visible and Infrared spectrum in Remote Sensing?
2. What do you mean by Image enhancement?
3. What do you understand by atmospheric window in Remote Sensing?
4. What is microwave and Thermal Remote Sensing?
5. Describe different types of GPS.

6. What is RISAT and RDARSAT?
7. What do you mean by single band and multispectral band imageries in Remote Sensing?
8. What is digital image classification?
