Roll No. .....

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

First Year, Examination-2014

MGIS-03/PGDGIS-03

Remote Sensing & GPS

Time Allowed : Three Hours

Maximum Marks : 60

Note : The paper is divided into three sections A, B and C. Notes for each section are given in the section itself.

Section - A

(Long answer type Questions)

Note : Answer any 2 Questions. Each question carries 15 marks. (2×15=30)

1. Explain the difference between visual interpretation and digital image processing with illustrations.

2. Describe the Process of Data Input and Data Integration using Rs and GIS.

3. Describe Electromagnetic spectram and Atmospheric window with Diagrams.

4. Describe all the segments of GPS 4 major applications.

Section - B

(Short answer type Questions)

Note : Answer any 4 questions. Each question carries 5 marks. (4×5=20)

1. Explain spectial and Temporal Resolution.

2. Describe Indian space organisation's efforts in the field of GPS appliations.

3. Describe latest W-5 indians Remote Sensing satellites.

4. Difference between Raster and Vector ?

5. Elaborate Geometric Corrections.

6. What do you mean by Reflection, Refraction diffusions.

7. Describe the sources of error in GPS and its applications.

8. Describe the abbriviation, PPs, SVs, WAAS and NRSA.

Section - C

(Objective type Questions)

Note : Answer all questions. Each question carries 1 Marks. (10×1=10)

1. ..... is the science and art of obtaining information without touching any object.

2. The energy recorded by a sensor is always modified by the atmosphere between the sensor and the ..... .

3. Quick Bird was launched on the ..... .

4. The Prime meridian is the starting or zero point for angular measurement east and ..... .

5. The ratio between the reduced depiction on the map and the geographical features in the real world is known as the ..... .

Write the full forms of the following :

6. ERDAS

7. GOES

8. NOAA

9. NASA

10. SOI