

190001

PGD in Geo-Informatics
Subject: Principles of Remote Sensing & GPS
Subject Code: KPSE-101
Semester: 1st (Re-appear)
Batch: 2018-19
Theory (External): 35
Time: 03 hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. **Section A** comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. **Section B** comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number

--	--	--	--	--	--	--	--	--	--	--	--

SECTION –A (OBJECTIVE TYPE QUESTIONS)

(10x1=10 Marks)

1. What is FCC and TCC
2. Define spectral signature.
3. What do you understand by ground truthing and georeferencing?
4. Write any two applications of Radar data.
5. What do you understand by geostationary satellite?
6. GAGAN stands for.....
7. Write spatial resolution of Landsat-7, Landsat-8, Cartosat-I and LISS-IV.
8. What is flight height
9. What is control segment?
10. (a). DEM can be created by contours
(b). DEM can be created by spot heights
 - i. Option a is correct
 - ii. Option b is correct
 - iii. Both the options are correct
 - iv. Both the options are incorrect.

SECTION –B (ESSAY TYPE QUESTIONS)

(5x5=25 Marks)

11. What is remote sensing? Write its applications with appropriate examples.
12. Define EMR and its characteristics by sketching suitable EMR spectrum diagram.
13. What is the difference between Aerial Photo and Satellite Image?
14. Define resolution and its types by giving the examples of different satellite data resolution.
15. Illustrate GPS and its segments.
16. Describe Geodesy and its classifications. Write any two applications of Geodesy.
17. Explain the GPS/DGPS errors.
18. What is the difference between Active Sensors and Passive Sensors?

-----End of Paper-----