Reg. No. | | | | | | | | | |

GIH 402

First Semester M.Sc. Degree Examination, December 2018/January 2019
(CBCS)
GEOINFORMATICS
Remote Sensing and Photogrammetry

Time : 3 Hours Max. Marks : 70

***Instruction** : Answer **all** the questions.*

I. Define **any five** of the following : **(2×5=10)**

1) Atmospheric windows.
2) Blackbody radiation.
3) Mosaics.
4) Depth perception.
5) Tone.
6) Vertical exaggeration.
7) Pixel.

II. Write short notes on **any five** of the following : **(4×5=20)**

8) Types of resolutions.
9) Basic concepts of microwave remote sensing.
10) Advantages of remote sensing.
11) Relief and tilt displacement.
12) Concepts of hyper spectral remote sensing.
13) Mapping of geological structures using aerial photos.
14) Applications of digital photogrammetry.

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III. Answer **any four** of the following : **(5×4=20)**

15) Give a detailed account on scattering and types of scattering.

16) Write a note on applications of thermal remote sensing.

17) Describe the principles of visual interpretation techniques.

18) Give a detailed account of planning and execution of aerial photographic flight.

19) Give an account of aerial camera and their types.

IV. Essay type questions : **(2×10=20)**

20) What is spectral reflectance ? Add a note on spectral reflectance of natural earth features.

OR

Briefly explain visual and digital image processing techniques.

21) Give an account of classification of aerial photographs based on film and filters.

OR

With neat sketches discuss the geometry of aerial photography.

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