

B.TECH. SEM -VI INFO. TECH. 2014 COURSE (CBCS) :
SUMMER - 2018
SUBJECT : ELECTIVE – II GEOGRAPHICAL INFORMATION SYSTEM

Day : **Monday**
Date : **11/06/2018**

S-2018-2434

Time : **02.30 PM TO 05.30 PM**
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data if necessary.
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Q.1 Explain various projections used in maps with their advantages and limitations. [10]

OR

Explain the steps in map generation. Describe various parameters those are considered in the process. [10]

Q.2 Explain the process and data flow in data management of GIS. [10]

OR

What is Nearest neighbor analysis and Trend surface analysis? Explain with suitable example. [10]

Q.3 Explain various data compression techniques used for efficient storage of Raster Data. [10]

OR

Explain the use of image processing techniques in GIS data processing. [10]

Q.4 Describe the principles and process of cartographic design in GIS. [10]

OR

Describe applications of digital terrain models in terrain mapping and geo coding. [10]

Q.5 Explain various parameters in satellite system and imaging sensor systems. How these parameters affect measurements? [10]

OR

Write a short note on 'Use of RADAR technology' in GIS. [10]

Q.6 What are the various parameters that should be considered while designing application softwares in GIS? [10]

OR

Explain the use of image processing in development of GIS softwares. [10]

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