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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(CE) (2012 to 2017) (Sem.-4)

GEOMATICS ENGINEERING

Subject Code : BTCE-401

M.Code : 56083

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt ANY FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt ANY TWO questions.
4. Assume missing data.

SECTION-A**1. Answer briefly :**

- a) Define Parallax.
- b) What is crab and Drift?
- c) How does mosaic differ from a map?
- d) Draw schematic diagram of geodimeter.
- e) Give broad classification of remote sensing.
- f) Give applications of remote sensing in water resources.
- g) Define GIS.
- h) What are Spheroids?
- i) What is DGPS?
- j) What is Spatial query?

SECTION-B

2. Write a short note on Aerial Camera with diagram.
3. Write a short note on Indian Remote Sensing Satellite (IRS).
4. How is Raster and Vector data represented?
5. Why is the GPS signal so complicated?
6. Label various parts of an Electromagnetic Spectrum with neat diagram.

SECTION-C

7. What is Stereoscopic Fusion? Discuss various CLUES to Depth Perception.
8. Discuss in brief salient features of Meteorological satellites.
9. Explain Digital elevation model.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.