

B.E. (Full time) Degree End Semester Examination April-May 2011
Geoinformatics Branch
Fifth Semester
GI 9303 Cadastral Surveying

Time: 3 hours

Max marks 100

Part A (10x2=20 marks)

Explain the following

1. Explain the importance of cadastral Surveying
2. Explain Numerical cadastre
3. What do you mean by Orthogonal survey
4. Explain the use of rectangular coordinate system
5. What is a KHANDAM as defined in Tamil Nadu Cadastral system?
6. What is the need of village map referenced to National grid.
7. Explain the need of Projection for cadastral map
8. What is use of triangulation in surveying
9. What do you understand from LIS?
10. Explain the accuracy requirement in Town surveying

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Part B (5x16=80 Marks)

(11) (i) What do you mean by modern cadastre methods? (8marks)

(ii) Explain the procedure for creating new subdivision (8marks)

(12) (a) Explain the conventional method of cadastral survey in Tamil Nadu.

(or)

(b) Explain detail about "Rectangulation" and its application in Land Surveying

13 (a) Explain the application of Photogrammetry technique in cadastral record creation?

(or)

(b) Explain the use of GPS, Total station, Mapping software and web enabled spatial database management in modern land administration.

(14) (a) Explain in detail the Town surveys of municipalities

(or)

(b) Explain the procedure of maintenance of Land records in Tamil Nadu.

15 (a) (i) Explain 3 D cadastral system. (8marks)

(ii) Explain the History of Cadastral System in India. (8marks)

(or)

(b) (i) Explain the different method of computation of areas of Surveyed Land. (8 marks)

(ii) Explain the use of Satellite data for updating Land records specifying where exactly it is most used in creating LIS. (8marks)