

15/11/13

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**B.E / B.Tech ( Full Time ) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2013**

**Geoinformatics Branch**

**Fifth Semester**

**GI 9303 Cadastral Surveying**

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

**PART-A (10 x 2 = 20 Marks)**

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 a KHANDAM is 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 land surveying

**Part – B ( 5 x 16 = 80 marks)**

(11) (i) Explain the objective, classification and methods of cadastre survey? (8marks)

(ii) Write a note on international scenario in land records management. (8marks)

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

(or)

(b) Explain detail about quality control measures in surveying and mapping.

13 (a). Explain the control survey requirement in land surveying.

(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)