

B.E. (Geoinformatics) Degree Examination November 2011
V Semester
GI 9303 Cadastral surveying

Duration; 3 hours

Max marks 100

Answer all questions
Part A (10x2=20marks)

1. Explain LIS and GIS
2. Define the term Cadastral Surveying
3. What do you mean by Legal Cadastre
4. Explain the future trends in Ground surveying
5. Explain Insurance principle in Legal Cadastral System.
6. Explain Instrument for conventional Cadastral Survey.
7. Explain Total Station and its specific importance.
8. Explain the Use of CAD software in Land Surveys.
9. What do you mean by control point (Trijunction) in Cadastral system and its importance?
10. Explain the importance of Rectangulation.

Part – B (16 x 5 = 80 Marks)

11. (a) (i) Explain the need for 3 D cadastral system. (6 Marks)
(ii) Explain how modern survey procedure is important in creating land Information system. (10 Marks)
 12. (a) (i) Explain the accuracy requirement of conventional and modern Cadastral surveying. (8 marks)
(ii) Explain the need of connecting Cadastral Surveys to National Central framework. (8marks)
- (Or)**
- (b) (i) Explain the merits and demerits of negative, positive and neutral Cadastral Systems.
13. (a) (i) Explain Pictorial, Graphical and numerical cadastre (8marks)
(ii) Explain Tax and Real property Cadastre. (8marks)
- (or)**
- (b)(i) Explain the History of Cadastral System in India.
14. (a) (i) Explain the stages of work in urban and rural Conventional Cadastral Surveys.
- (Or)**
- (b)(i) Explain at least 10 steps of procedure of using GPS, Total station and downloading software in modern Cadastral surveying.
15. (a) (i) Explain Boundary Survey Procedure. (8 marks)
(ii) Explain the different method of computation of areas of Surveyed Land. (8marks)
- (Or)**
- (b)(i) Explain the use of Satellite data for updating Land records specifying where exactly it is mostly used. (8marks)
(ii) Explain Large Scale aerial Photography in preparing Cadastral Map. (8marks)