

KATHMANDU UNIVERSITY
End Semester Examination [C]
November/December, 2023

Marks Scored:

Level : B.E.
Year : III

Course : GEOM 310
Semester : II

Exam Roll No. :

Time: 30 mins.

F. M. : 10

Registration No.:

Date :

07/11/2023

SECTION "A"

[20 Q. × 0.5 = 10 marks]

Choose and encircle the most appropriate option.

- When was Plane Table used for cadastral surveying for the first time in Nepal?
a. 1980 B.S. b. 1980 A.D. c. 2014 B.S. d. 2014 A.D.
- Which document is prepared during the field survey?
a. Field Book b. Plot Register c. Deed Document d. Title
- To be qualified for a parcel, which of the following is not necessary
a. Similarity in ownership b. Similarity in possession
c. Similarity in land type d. Similarity in Area
- Parcel numbering starts from
a. South east corner of the map sheet b. North west corner of the map sheet
c. Eastern corner of the map sheet d. Corner is not an issue
- Which of the following information is included in plot register?
a. Land area b. Name of the land owner
c. Date of parcel subdivision d. All of the mentioned
- Which of the following document is handed over to the land owner upon completion of the cadastral surveying process?
a. *Likhat* b. *Laalpurja* c. *Moth* d. *Srestaa*
- What is the size of the trig sheet of the cadastral map of 1:1250 scale?
a. 50mm × 50mm b. 50cm × 50cm c. 50m × 50m d. 250m × 250m
- What is the scale of the map sheet with the sheet number 102-1040-2?
a. 1:2500 b. 1:1250 c. 1:500 d. 1: 100
- What is annotation?
a. The process of adding additional information or data to an existing map or image
b. The process of adding names to existing cadastral maps and orthophoto maps
c. The process of surveying in cadastral mapping
d. The process of adding topographic information to the maps and images
- Which of the following data acquisition technique in cadastral surveying has recently been introduced in Nepal?
a. Plane Table b. RTK GNSS c. Total Station d. UAV

11. Which of the following authority is responsible for conducting cadastral surveying?
 - a. Survey Department
 - b. Ministry of Land Management, Cooperatives and Poverty Alleviation
 - c. Department of Cadastral Surveying and Mapping
 - d. Department of Land Management and Archive

12. The detailed process of Cadastral Surveying in Nepal has been included in ...
 - a. Cadastral Surveying Act
 - b. Land Survey Act
 - c. Land (Survey and Measurement) Act
 - d. None of the mentioned

13. Land Revenue Act Under which article of Land (Survey and Measurement) Act, 2019, there is a provision of registering a land falling within village block (*gaaun block*) ?
 - a. Article 5(6)
 - b. Article 6(5)
 - c. Article 6.C.
 - d. Article 7(1)

14. Which of the following registration systems is adopted in Nepal?
 - a. Private Conveyancing
 - b. Deed Registration System
 - c. Improved Deed Registration System
 - d. Title Registration System

15. Which of the followings is NOT the principle of land registration?
 - a. Booking Principle
 - b. Consent Principle
 - c. Publicity Principle
 - d. Consultation Principle

16. Which of the followings is / are the principle(s) of title registration?
 - a. Mirror Principle
 - b. Curtain Principle
 - c. Guarantee Principle
 - d. All of the mentioned

17. What is a file map?
 - a. Copy of cadastral map, documented in a file
 - b. Map of a parcel with its dimensions
 - c. Enlarged map of a single but small parcel
 - d. Map of a parcel according to its field situation

18. Which of the followings can be regarded as the sources of data for Land Information System?
 - a. Registry data
 - b. Citizenship data
 - c. Census data
 - d. National ID

19. 'Data Cleaning' in a database includes ...
 - a. Identification and correction of errors
 - b. Georeferencing of the data
 - c. Designing data format
 - d. Removing viruses and bugs from the database

20. Which of the followings is the ethical principle to be followed by a professional surveyor?
 - a. Integrity
 - b. Surveying skill
 - c. Subjective analysis of the issues
 - d. Computation skill

KATHMANDU UNIVERSITY
End Semester Examination [C]
November/December, 2023

01 DEC 2023

Level : B.E.
Year : III
Time : 2 hrs. 30 mins.

Course : GEOM 310
Semester : II
F. M. : 40

SECTION "B"

Attempt *ALL* questions. Assume suitable data where necessary.

1. What is cadaster? What are the types of cadaster? [2+3=5]
2. If you were asked to carry out cadastral survey in the field, what steps would you follow? [6]
3. What are the considerations of parcel numbering in Nepal? [7]
4. What do you mean by the statement 'Cadastre 2014 will be highly privatized! Public and private sector are working closely together!' [6]
5. Describe the process of parcel sub-division in Nepal. [6]
6. What are the ethical principles of professional surveyors? [5]
7. Write Short notes on (*ANY TWO*): [2.5+2.5=5]
 - a. General Boundary
 - b. Difference between Field Book and Plot Register
 - c. Area computation

