

KATHMANDU UNIVERSITY
End Semester Examination
June/July, 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

29 JUN 2023

SECTION "A"

[20Q. × 0.5 = 10 marks]

Encircle the most appropriate option.

- In the past, which of the following castes was assigned to carryout surveying work?
a. Danuwar, b. Yadav c. Dangol d. Yoyal
- Which of the followings is NOT a component of Cadaster?
a. Map c. Deed Document
b. Register d. Letter from Land Revenue Office
- To be qualified for a parcel, it should have
a. Similarity in ownership c. Similarity in land type
b. Similarity in possession d. All of the above
- Parcel numbering is important, because
a. it is needed to issue a title
b. it helps in uniquely identifying land parcels
c. it is the only means of land registration
d. it can help you finding out in which sheet does a particular parcel fall
- Which of the following information is NOT included in the field book?
a. Name of the Tenant c. Area of the parcel
b. Land Cover Type d. Dimensions of Parcel
- Which of the followings is a deed document?
a. *Likhat* b. *Laalpurja* c. *Moth* d. *Srestaa*
- What is the size of the trig sheet of the cadastral map of 1:500 scale?
a. 50 mm × 50 mm c. 50 m × 50 m
b. 50 cm × 50 cm d. 250 m × 250 m
- What is the sheet number of the trig sheet that is in the East of the sheet number 102-1020-02?
a. 102-1020-3 c. 102-1021-3
b. 102-1020-03 d. 102-1021-03
- Which of the following statement is True?
a. Annotation refers to the process of adding additional information or data to an existing map or image
b. Annotation refers to the process of adding names to existing cadastral maps and orthophoto maps
c. Annotation is not required in cadastral mapping
d. Annotation refers to the process of adding topographic information to the maps and images

10. Which of the following cadastral surveying technologies is NOT in practice in Nepal?
 a. Plane Table b. RTK GNSS c. Total Station d. UAV
11. Public Notice regarding cadastral surveying in certain district or region is published in Gazettee, after the decision from
 a. the Cabinet of the Government of Nepal
 b. the Ministry of Land Management, Cooperatives and Poverty Alleviation
 c. the Survey Department
 d. the municipality of concerned region
12. In which of the following situations, a 21-days' notice is published?
 a. To register the land during re-survey
 b. To register the previously un-registered land
 c. To register the land that falls in village block (*gaaun-block*) area
 d. To register all kinds of lands
13. Cadastral Surveying in Nepal is governed by;
 a. Cadastral Surveying Act c. Land (Survey and Measurement) Act
 b. Land Survey Act d. Land Revenue Act
14. Which of the following registration systems is found in practice in informal areas in Nepal?
 a. Private Conveyancing c. Improved Deed Registration System
 b. Deed Registration System d. Title Registration System
15. Which principle of land registration means 'landowner and parcel should be uniquely identified'?
 a. Booking Principle c. Publicity Principle
 b. Consent Principle d. Specialty Principle
16. Which of the following statements is true?
 a. Nepal has adopted Title Registration System in some parts of the country.
 b. Title Registration System is less costly compared to the improved deed registration system.
 c. It is not necessary to follow fixed boundary in Title Registration System.
 d. It takes longer time to complete the process of registration in the title registration system compared to the deed registration system
17. Suppose, you work at a Survey Office as a Surveyor. In which situation do you need to prepare a file map?
 a. If you have to go for parcel subdivision
 b. If you have to go for parcel subdivision the parcel to be subdivided is quite small, even having no enough space to write the parcel number
 c. If the land owner needs it for banking purpose
 d. If the land owner wishes to sell the whole parcel
18. Which of the followings can be regarded as the sources of data for Land Information System?
 a. Citizenship data c. Registry data
 b. Census data d. All of the above

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19. What do you mean by 'data cleaning'?
 - a. Identifying and correcting errors, inconsistencies, and inaccuracies in the collected data
 - b. Georeferencing the collected data
 - c. Migrating the data from different format to the required format.
 - d. Removing the viruses and bugs from the system

20. Which of the followings is the characteristic of a professional surveyor?
 - a. mastery of a particular intellectual skill, acquired by education and training
 - b. acceptance of duties to society in addition to duties to clients and employers
 - c. an outlook that is essentially objective
 - d. All of the above

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SECTION "B"

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

1. What do you mean by Multipurpose Cadaster? What lacking(s) do you see in Nepali Cadaster to be regarded as Multipurpose Cadaster? (If you do not see any lacking, justify your view.) [1+4 = 5]
2. Provide the flow chart of cadastral surveying in Nepal. [6]
3. Describe sheet numbering system for cadastral surveying in Nepal. [7]
4. List out the statements of Cadastral Vision 2034. [6]
5. Describe the process of parcel sub-division in Nepal. [6]
6. List out any 10 'code of conducts' to be followed by a professional surveyor. [5]
7. Write short notes on (*ANY TWO*): [2 × 2.5 = 5]
 - a. Fixed Boundary
 - b. Parcel Numbering in Nepal
 - c. Cadastral Data collecting by using Drones.