

KATHMANDU UNIVERSITY
End Semester Examination
August/September, 2017

Mark Scored:

Level : B. E.
Year : III

Course : GEOM 310
Semester : II

Exam Roll No. :

Time: 30 min

F. M. : 10

Registration No.:

Date

SEP. 03 2017

SECTION "A"

[20 Q. × 0.5 = 10 marks]

Choose the most appropriate answer among the given choices.

1. Which is not cadastral document?
a. Field book
b. Land Ownership Certificate
c. Area computation form
d. Sheet chart
2. What is the present unit of area of land used in Land ownership certificates of Nepal?
a. Hectare
b. Sq. meter
c. Sq. feet
d. Ropani
3. Which is appropriate scale for cadastral mapping in urban area?
a. 1:2500
b. 1:1250
c. 1:500
d. 1:5000
4. Which is not the characteristics of trig sheet map?
a. Easy to integrate data
b. Working form whole to the part
c. National control point
d. Isolated map
5. Application used by survey offices of Nepal for parcel editing is:
a. Erdas Imagine
b. Autocad
c. SAEx
d. LPS
6. How many grid sheets are there in each zone?
a. 60
b. 120
c. 180
d. 1600
7. What is the size of cadastral sheet used in Nepal?
a. 50 cm × 50 cm
b. 25 cm × 25 cm
c. 75 cm × 75 cm
d. 1 m × 1 m
8. Which sheet number is located in southern part of the sheet number 157-1235-03?
a. 157-1235-04
b. 157-1235-08
c. 157-1235-02
d. 157-1235-18
9. Which technique was not used for cadastral surveying in the history of Nepal?
a. Chain survey
b. Compass Survey
c. Tacheometry
d. Plane Table Survey
10. In cadastral survey, parcels are classified into the following number of classes:
a. 2
b. 3
c. 4
d. 5

11. The land registration system adopted in Nepal is:
 - a. Deed
 - b. Title
 - c. Private conveyancing
 - d. Modified deed
12. The first Plane table survey was conducted in Bhaktapur District in _____.
 - a. 1980
 - b. 1930
 - c. 2021
 - d. 2063
13. The cadastre used in early England was:
 - a. Register
 - b. Domesday book
 - c. Note book
 - d. Field book
14. Which among the following is not type of cadastral survey?
 - a. Fiscal cadastre
 - b. Legal cadastre
 - c. Multipurpose cadastre
 - d. Public cadastre
15. According to Land survey and measurement Act 2019, which is considered government land?
 - a. forest
 - b. road
 - c. Private land
 - d. Open space
16. Digital cadastral Survey is started as a pilot project in which of the following part of Nepal?
 - a. Kavre
 - b. Kathmandu
 - c. Pokhara
 - d. Arghakhanchhi
17. The document kept in land revenue office is:
 - a. Ownership certificate
 - b. Shresta
 - c. field book
 - d. Plot book
18. The boundary system adopted in Nepal is:
 - a. Fixed boundary system
 - b. Fussy boundary system
 - c. General boundary system
 - d. Random boundary system
19. Which statement is true?
 - a. Nepal has adopted fully digital system in cadastral survey.
 - b. Nepal has initiated to start digital system in cadastral survey.
 - c. Nepal has not started digital system in cadastral survey yet.
 - d. Nepal has aim to use digital system in cadastral survey.
20. The department mainly responsible for cadastral surveying in Nepal is:
 - a. DoLIA
 - b. DoLRM
 - c. Survey Department
 - d. LMTC

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SECTION " B "

(Short answer question)

[6Q × 4 = 24 marks]

Attempt *ANY SIX* questions.

1. What is Cadastral Survey? Mention briefly about history of Cadastral Survey in Nepal. [2+2]
2. Define boundary of parcel. Compare general boundary with fixed boundary. [1+3]
3. Explain different types of parcel numbering. Describe the system is adopted in Nepal. [2+2]
4. Describe different cadastral Surveying techniques in brief. Mention which technique is more accurate. [2+2]
5. Describe workflow of cadastral surveying procedure adopted in Nepal. [4]
6. Differentiate between analogue and digital cadastral surveying. Explain about applicability of digital technology in Nepalese context. [2+2]
7. Write short notes on (*ANY TWO*) [2+2]
 - a. Plot register
 - b. Cadastre
 - c. Deed registration system

SECTION " C "

(Long answer question)

[2Q × 8 = 16 marks]

Attempt *ANY TWO* questions.

8. Describe about Cadastral sheet numbering process used in Nepal. Do you think projection system adopted for Nepal is suitable for cadastral survey? If not then Suggest which kind of projection is best for our context and why? [3+2+3]
9. How and what kinds of cadastral services are delivered through Survey offices and Land Revenue offices in our context. Suppose you are appointed as a Survey officer in Survey office Dhulikhel, how would you improve the existing cadastral service delivery mechanism? Prepare your improvement plan. [4+4]
10. a. Why do you think LIS is necessary for any country? How is LIS gradually developing in our context? [2+2]
b. It is said that DoLIA has played vital role for establishment of LIS in Nepal. Justify your answer with examples. [1+3]

