

KATHMANDU UNIVERSITY  
End Semester Examination [C]  
January, 2019

Marks scored:

Level : B.E.

Course : GEOM 206

Year : II

Semester: II

Exam Roll No. :

Time: 30 mins.

F.M. : 10

Registration No.:

Date

JAN 01 2019

SECTION "A"

[20 Q. × 0.5 = 10 marks]

Choose the most appropriate answer among the given choices.

1. GIS brought revolution in cartography since :  
a. 1980                      b. 1990                      c. 2000                      d. 1970
2. The suitable type of map projection (azimuthal, conical, cylindrical) for a country depends on:  
a. Size of country                      b. Orientation of country  
c. Main axis of country                      d. Shape of country
3. Which one of the following is **not** a Bertin's visual variable?  
a. Size                      b. Pattern                      c. Grain                      d. Value
4. Increased density of map contents due to scale reduction. Reason for  
a. Symbolization                      b. Generalization                      c. Visualization                      d. Aggregation
5. Delineation of area with equal boundaries occurs in .....  
a. Choropleth Map                      b. Dasymetric Map  
c. Chorochromatic Map                      d. Dot Map
6. The type of revision which is applied particularly to revise large-scale maps is  
a. Continuous                      b. Cyclic                      c. Periodic                      d. Daily
7. According to the principles of good draftsmanship, all are true EXCEPT:  
a. Work done should be in good scanning                      b. Work done should be in good quality  
c. Work done should have good accuracy                      d. Speed of operation
8. The cone cells of our eyes are sensible to which spectra range  
a. 400-600 nm                      b. 400-700 nm                      c. 500-700 nm                      d. 300-600 nm
9. The following relief representation method uses different colors for various height zones:  
a. Hachure                      b. Layer tint                      c. Rock drawing                      d. Hillshade
10. All of the given geographic phenomenon are discrete fields, EXCEPT  
a. Temperature                      b. Building                      c. Settlement area                      d. Land use
11. The intersection of a chosen parallel and a chosen central meridian is:  
a. False easting                      b. Grid origin                      c. Standard parallel                      d. Natural origin



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Semester: II  
F.M. : 40

SECTION "B"

(Short answer question)

[6 Q.×4=24 marks]

Attempt *ANY SIX* questions.

1. Define sheet numbering system. What are the types of sheet numbering system? Explain. [2+2]
2. Define cartography. What are the major role of cartography in GIS? [2+2]
3. Explain cartographic communication process with diagram. [4]
4. Discuss the scribing process in detail. [4]
5. Define thematic maps. Explain the contents of thematic map. [1+3]
6. What are the factors that influences map design? Explain [4]
7. Write short notes on (*ANY TWO*) [2+2]
  - a. Visualization process
  - b. Methods of relief representation
  - c. Map scale

SECTION "C"

(Long answer questions)

[2 Q.× 8 =16 marks]

Attempt *ANY TWO* questions.

8. Define map compilation. Explain compilation process for base maps. What do you understand by generalization? [2+3+3]
9. Explain the characteristics of contours. What is contour interval? What are the factors affecting contour interval? Explain. [2+2+4]
10. What is map projection? What are the factors to be considered on choosing a map projection system? Explain the projection system used in Nepal. [2+3+3]

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