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B.E. GEOINFORMATICS (FULL TIME) DEGREE
END SEMESTER EXAMINATIONS APR/MAY 2013
GEOINFORMATICS ENGINEERING BRANCH
(REGULATION 2008)
GI 9202 - CARTOGRAPHY

Time : 3.00 hrs

Max.Marks:100

Answer all the questions

Draw neat sketches wherever necessary

PART – A (2 x 10 = 20)

1. Define a map.
2. List the elements of the cartography.
3. Mention all the six graphic elements?
4. What are the types of symbols used in topographic map?
5. Enumerate the methods of describing the third dimension on a map.
6. Write down the Colors used in a topographical map. Also correlate its significance.
7. Classify the map according to scales.
8. List the difference between the digital map and the paper map.
9. What are the types of Map projection?
10. What are the recent advancements in the field of Cartography?

PART – B

5 x 16 = 80

11. a. Write an essay on the types of map projection.
b. Given an account on the basic characteristics of maps. (16)
12. a. Write a detailed note on Cartographic relief presentation on topographical maps. (16)
(or)
b. State the criteria for the selecting of map projection. Write down the salient features of UTM map projection.
13. a. What is generalization? Write a brief note on the Elements and controls of generalization. (16)
(or)
b. Explain the offset method of printing process.

14. a. Describe in detail the colour theory and the colour models, used in map reproduction. (16)

(or)

b. Critically comment on the possible developments of the Indian Topographical maps.

15. a. Describe the UTM co-ordinates systems followed by Survey of India. (16)

(or)

b. write short note on any four of the following. (4 x 4 = 16)

- i) Meta Data
- ii) Eye and its Perception
- iii) Typography and lettering the maps.
- iv) Thematic maps.
- v) Digital Maps and Electronic Atlas.
- vi) Web Cartography.
- vii) GIS
- viii) Choropleth maps.