26\11\13

Time : 3.00 hrs                                                                Max.Marks:100

**Answer all the questions**
**Draw neat sketches wherever necessary**
**PART – A (2 x 10 = 20)**

1. Write down the modern definition of the Cartography and also define a map.
2. List all the elements of the cartography.
3. State 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 topo graphical map. Also correlate its significance.
7. Given account on Modern Map Numbering System followed by SOI based UTM.
8. List the difference between the digital map and the paper map.
9. What is Loxodrome?
10. Mention 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 of topographical maps.

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 system 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.