

End Semester Examination Oct. /Nov. 2011
B.E.Full Time Geoinformatics Reg.2004
Subject: GI 284 Cartography
Answer all the questions

Time 3 Hours

Marks 50

Part A (10 x 2 =20 marks)

1. Explain Scale factor and principal scale
2. Explain Universal Transverse Mercator Grid System
3. Explain Properties of an ideal projection
4. Explain Conformal projection
5. Explain Azimuthal projection
6. Explain Scribing technique
7. Explain Map compilation
8. Explain Colour separation
9. Explain printers for mapping
10. Explain WGS 72 and WGS 84

PART B (5 X 16 = 80)

11. (i) Explain the categories of maps (4)
(ii) Explain Horizontal and vertical datum used in mapping topographic maps.(6)
(iii) Explain about Geoidal Earth (6)
12. (a) What are the various ways to draw the contours?(8) How will you derive topographic information from studying the contour lines?(8)
(or)
(b) Explain the Ground Survey techniques to collect data for Cartographic map processing.
13. (a) Explain cartographic generalization and the symbols that are used in a topographic map.
(or)
(b) Explain the use of aerial photography and Remote Sensing data in preparing thematic and topographic map.
14. (a) Define and classify map projection.
(or)
(b). Explain the conical projection and map projection that is used in India.
15. (a) Explain state plane coordinate system.
(or)
(b) Explain the cartographic reproduction technique.