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Reg. No. :

Name :

Second Semester M.Sc. Degree Examination, August 2009
Branch : Geography
G.O. 221 : ADVANCED CARTOGRAPHY
(Prior to 2007 admns.)

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer **any two** questions from **each** unit. **Each** question carries **2** marks :

1. a) Mention the aspects of Applied Cartography.
b) What are the major details shown on hypsometric maps ?
c) Mention the important methods of representing scale on a map.
2. a) Distinguish between true north and magnetic north.
b) What are the important features of Mercator's Projection ?
c) Define Isogonic lines.
3. a) How will you determine the scale of an aerial photograph ?
b) What are the elements of aerial photo interpretation ?
c) How will you represent quantitative data through dots ?
4. a) What is a Block diagram ?
b) Mention the advantages of silk screen printing.
c) Write a short note on maps for Neo-literates.
5. a) What is a legend and how is it useful ?
b) What are the functions of NRSA ?
c) What is meant by overlap in aerial photographs ?

(10×2=20 Marks)

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SECTION – B

Answer **any one** question from **each** unit. **Each** question carries **5** marks.

6. a) Describe cartography as a science of communication.
b) Discuss the growth of Indian cartography in ancient period.
7. a) Explain the major components of a map.
b) Describe the different types of map.
8. a) Discuss the major constraints in map design.
b) Explain the various process involved in map reproduction.
9. a) How are relief features represented in maps ?
b) Give an account of the point symbols used in maps.
10. a) Mention the advantages of satellite images in updating maps.
b) Explain briefly the instruments used for compilation and interpretation of air photographs. **(5×5=25 Marks)**

SECTION – C

Answer **any three** questions. **Each** question carries **10** marks.

11. Explain the nature and scope of advanced cartography.
 12. Briefly describe the different methods of enlargement and reduction of maps.
 13. Explain the problems involved in map compilation and generalization.
 14. Discuss the various techniques used in map reproduction.
 15. Give a detailed account on the characteristics and advantages of computer assisted cartography. **(3×10=30 Marks)**
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