

M.A. Examination, 2017
Semester-IV
Geography
Course – XX
(Geoinformatics)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer **any three** questions, selecting **one** from each unit.

Unit-I

(Scope, Contents and Purpose of Geoinformatics)

1. What do you understand by the term 'Geo-informatics'? Discuss the contents of data mining. Assess its geographical significance. 4+5+5=14
2. Measure the importance of *spatial* and *attribute* data in Geographical studies. 7+7=14

Unit-II

(Geographical Information System - GIS)

3. Explain Geographic Information System (GIS). Highlight the advantages of GIS and discuss the scope of application of GIS in thematic mapping with suitable examples. 4+4+5=13
4. What do you mean by Geo-referencing of spatial data? Explain the terms the *raster* data and Vector data with suitable examples. 3+5+5=13

Unit-III

(Global Positioning System and Graphics)

5. Define GPS. Identify and describe the various segments of GPS and specify its uses. 3+10=13
 6. Discuss GPS constellation. Comment on the *merits* and *demerits* of the GPS. 6+7=13
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