

**M. SC. (GEOINFORMATICS) SEM-III (CBCS) (2013 COURSE) :**

**SUMMER - 2018**

**SUBJECT: TRENDS IN GEOSPATIAL TECHNOLOGIES**

Day: **Monday**

Date: **16/04/2018**

**S-2018-1116**

Time: **02.00 PM TO 05.00 PM**

Max. Marks: 60

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**N.B.:**

- 1) Attempt any **FIVE** questions.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw diagrams **WHEREVER** necessary.
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**Q.1 a)** What is Mobile GIS? Discuss its role in facility and vehicles navigation. **(06)**

**b)** Provide a detailed proposal to identify a new location for the setup of a new multiplex in your city. **(06)**

**Q.2 a)** Discuss Inheritance, Encapsulation, Abstraction and Polymorphism. **(06)**

**b)** What do you mean by scientific visualization? How is it helpful in interaction, dynamics and decision making? **(06)**

**Q.3 a)** What do you understand by WMS? What are the main differences between WMS and WFS? Mention the requests it has. **(06)**

**b)** Define relational database models and discuss the origin of object oriented DBMS. **(06)**

**Q.4 a)** Explain classes and objects in detail. **(06)**

**b)** Define data warehouse. Discuss the various stages in a data warehouse. **(06)**

**Q.5 a)** Write a note on Data Mining. **(06)**

**b)** Describe Open GIS consortium and its standards. **(06)**

**Q.6** Write short notes on Any **THREE** of the following: **(12)**

- a)** COTS v/s Open source
- b)** Topographic Mapping
- c)** ArcGIS 3D analyst
- d)** Google Earth
- e)** Geographical Markup Language

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