

SUBJECT: TRENDS IN GEOSPATIAL TECHNOLOGIES

Day: Thursday
Date: 22/11/2018

W-2018-1245

Time: 02.00 PM TO 05.00 PM
Max. Marks: 60

N.B.:

- 1) Answer any **FIVE** questions.
 - 2) Figures to the right indicate **FULL** marks.
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- Q.1** a) How has Google Earth revolutionized the use of GIS? (06)
b) Write a note on OGC standards for interoperability. (06)
- Q.2** a) Explain in brief your understanding of object oriented programming in GIS perspective. What is encapsulation and inheritance in this regard? (06)
b) How can mobile GIS help in emergency response operations? (06)
- Q.3** a) Write a note on 3D GIS. (06)
b) Describe two applications of mobile GIS with a flow chart. (06)
- Q.4** a) Explain briefly three spatial relations that categories queries in PostGIS with examples. (06)
b) List three trends in GIS technology that defines and drives GIS today and tomorrow. (06)
- Q.5** a) What is Spatial Database Management System (SDBMS)? Draw a diagram on its 3- layer structure and explain briefly its various constituents. (06)
b) Using UML symbols (composed, type relationship), draw a diagram only for spatial types- OGC simple features? (06)
- Q.6** Write short notes on any **THREE** of the following: (12)
a) OGC
b) SOAP
c) Web Services Description Language (WSDL)
d) Spatial data warehousing

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