

# Introduction to GIS

October 5, 2013

Minor Test - CEL455

Q. 1 ~~(a)~~ What was the need for the GIS to be started as a discipline?

~~(b)~~ Provide at least three examples from the real-life problems and elaborate the contribution made by GIS and the mechanism thereof.

(2, 3)

Q. 2 ~~(a)~~ In the GIS context how do you manage to capture the reality?

~~(b)~~ Explain the Topological data model. What are the advantages and disadvantages of this model over the raster model.

(2, 3)

Q. 3 ~~(a)~~ What do you understand by the normal forms?

~~(b)~~ Show the database structure for the IIT Hospital Application in use which has the functions: registration, prescription, medicine dispensing, store inventory, etc. Construct the databases alongwith the ER diagram showing the relationships.

(2, 3)

Q. 4 Describe briefly the following

- ~~(a)~~ Standard Parallel
- ~~(b)~~ Vertical Datum
- ~~(c)~~ UTM
- ~~(d)~~ Verbal Scale
- ~~(e)~~ Composite Key

(1X 5)