ME Civil Sem II R S GISC May 2017
(Choice based) 25/5/17

QP Code:10997

CBCGS

(3 Hours) Total Marks: 80

N.B.   1) Answer any **FOUR** questions

2) Each main question carries equal marks.

3) Add neat sketches wherever necessary

Q.1) Write short notes on- (20)

a) Vector data

b) Raster data

c) Component of GIS

d) Satellite data

e) Aerial Photograph

Q.2) a) Explain spectral reflectance curves & remote sensing satellites. (10)

b) Explain digital image processing and their characteristics. (10)

Q.3) a) Write note on segments of GPS with suitable diagrams. (10)

b) Give the difference between- (10)

i) Absolute positioning and Relative positioning

ii) Navigational receiver and Surveying receiver

Q.4) a) Explain application of GIS in Environmental & water resource management. (10)

b) Write note on GIS-GPS based Green infrastructure management. (10)

Q.5) a) Explain process of data rectification and registration. Write advantages of GIS. (10)

b) Explain GIS in accident studies and road network planning. (10)

Q.6) Write short notes on- (20)

a) Geodetic receivers

b) GIS in urban transport planning

c) Orbital characteristics and image enhancement

d) Spatial and non-spatial information

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