Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PLAN - SEMESTER– 6 EXAMINATION – SUMMER 2017

Subject Code: 1065506 **Date: 10/05/2017**
Subject Name: GIS for Planning
Time: 10.30AM to 12.30PM **Total Marks: 40**

Instructions:
1. Make suitable assumptions wherever necessary.
2. Figures to the right indicate full marks.
3. Use appropriate examples and illustrations where necessary.

Q1 Match the following (10 marks)

A	.shp	1	Represents Shapefile's database
B	.prj	2	Represents Raster data
C	.dbf	3	Quantum GIS
D	QGIS	4	Programing language
E	.tiff	5	Preserves all the features of input as well as output layers
F	C++	6	Represents Shapefile
G	GCP	7	Geoprocessing tool
H	buffer	8	Represents projection file
I	Clip	9	Ground Control Point
J	Union	10	Extracting the study area from a raster image

Q2 Explain in detail on the following tools (Any 5) (2x5=10 marks)

a) Contour
b) Slope
c) Aspect
d) Hill shade
e) Curvature
f) Visibility analysis
g) View shade

Q3 Explain the following functions with diagram (Any 5) (2x5=10 marks)

a) Intersection
b) Symmetrical difference
c) Identity
d) Update
e) Erase
f) Euclidean distance

Q4 Explain Raster Classification methods (supervised and unsupervised) (5 marks)

OR

Q4 Explain Crowd Sourcing (5 marks)

Q5 Difference between ArcGIS and QGIS (5 marks)

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