

Nirma University
University Elective Course
Semester End Examination (IR), May - 2019

B.A., LL.B.(Hons.) , Semester-VI
B. Tech. in CE/EE/IC/IT, Semester-VI
Bachelor of Business Administration (BBA), Semester-VI
UEIA001 GIS and Remote Sensing

Roll /
Exam No.

Supervisor's initial
with date

Time: 3 Hours

Max. Marks: 100

- Instructions:
1. Attempt all questions.
 2. Figures to right indicate full marks.
 3. Draw neat sketches wherever necessary.

Q-1. Match the following

[10]

A	.shp	1	Projection file
B	.DXF	2	Shape file
C	.tif	3	Stores the index of the feature geometry
D	.prj	4	CAD File
E	.dbf	5	Raster Data
F	.gdb	6	Metadata for ArcGIS
G	.mxd	7	Geo-database
H	.xml	8	Map document
I	.shx	9	comma-separated values
J	.csv	10	Stores attribute information

Q-2. Explain in brief the following:

[15]

- a) Remote sensing
- b) Classification
- c) Spatial Resolution
- d) Vector Data
- e) Temporal Data

[OR]

Explain in detail the key features of image interpretation.

Q-3. Explain the basic components of GIS.

[15]

Q-4. Explain the basic components of map layout.

[10]

[OR]

Explain the difference between attribute query and spatial query.

Q-5. Explain in detail Georeferencing and its importance.

[25]

Q-6. Explain one application of GIS in detail.

✓ [25]