

Course No: CIVL 4338

Course Title: GIS

Date: 19/ 04/ 2018

No. of Questions: 2 (closed Book)

Time: 60 min.

Using Calculator (No)

University of Palestine



Second mid-term

2nd Semester 2017/2018

Total Grade:15

Instructor: Eng. Islam Falouji

StudentNo.:

StudentName: _____

College Name:Engineering

First Question: Write the appropriate term:

(5 Marks)

1. (.....) is a vector-based representation that made up of irregularly distributed nodes and lines that are arranged in a network of non-overlapping triangles.
2. (.....) stores spatial and attribute data using the same data model.
3. (.....) is a collection of points that all represent one feature.
4. (.....) is designed by ESRI for Arc Info, implementation of the vector topologic data model and considered a Closed file format.
5. (.....) is composed a series of layers, each with a theme, typically used to represent 'field-like' geographic phenomena.
6. (.....) is the distance of one side of grid cell represents on the ground.
7. (.....) is a measurement with a defined beginning point.
8. (.....) is used to represent one-dimensional objects.
9. (.....) is data that has been interpreted by a human being.
10. (.....) is a vector data storage format which contains one feature class.

Second Question: what are the advantages for the following?(3Marks)

Vector topologic data model

.....

.....

.....

Ground-based surveying

.....

.....

.....

Digitizing process

.....

.....

.....

Course No: CIVL 4338
Course Title: GIS
Date: 19/ 04/ 2018
No. of Questions: 2 (closed Book)
Time: 60 min.
Using Calculator (No)

University of Palestine

Second mid-term
2nd Semester 2017/2018
Total Grade: 15

Instructor: Eng. Islam Falouji
StudentNo.: _____
StudentName: _____
College Name: Engineering

Third Question: Answer the following questions

(7 Marks)

Mention and define the four key properties of spatial data

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

GIS packages employ building pyramids technique for raster dataset. What does this technique mean? What is it used for? Why is it called "pyramid"?

.....

.....

.....

.....

End of Questions