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## MPTEL

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## Courses » Introduction to Geographic Information Systems

Announcements Course Ask a Question Progress Mentor

## Unit 2 - Week 1

Course outline	Assignment: Week 1	
	The due date for submitting this assignment has passed. Due on 2018-02-21, 23:59	) IST.
How to access the portal ?	Submitted assignment	
Week 1	1) GIS is and technology.	1 point
<ul><li>What is Geographic Information System</li></ul>	Digital and analogue Spatial and analogue Digital and spatial	
<ul><li>Different Components of GIS</li></ul>	No, the answer is incorrect. Score: 0	
<ul> <li>Different types of vector data and concept of topology</li> </ul>	Accepted Answers: Digital and spatial  2) GIS, Remote Sensing and GPS technologies are:	1 point
<ul> <li>Raster data model and comparisons with vector</li> </ul>	<ul><li>Generic, digital and spatial</li><li>Manual, spatial and digital</li><li>Analogue, manual and spatial</li></ul>	
<ul> <li>TIN data model and comparisons with raster</li> </ul>	No, the answer is incorrect. Score: 0	
Quiz : Assignment: Week 1	Accepted Answers: Generic, digital and spatial	
Feedback Week-1	3) Three basic kinds of vector entities are:  Point, Raster, Attributes	1 point
Answer Key	Image, Raster, Polygon	
Week 2	Point, Line/Polyline, Polygon Polyline, Polygon, Raster	
Week 3	No, the answer is incorrect.	
Week 4	Score: 0 Accepted Answers:	
DOWNLOAD VIDEOS	Point, Line/Polyline, Polygon  4) Two major differences between Grid and Image:	1 point
	Both can have positive and negative, integer and real values Grid can have only positive integer values, whereas image can have any data Grid can have positive and negative integer and real values as cell values, whereas, imanhave only positive integer values	

Introduction to Geographic Information Systems Unit 2 - Week 1	
<ul> <li>Grid can have only positive integer values as cell values, whereas, image can have both positive and negative integer and real values as pixel values</li> </ul>	
No, the answer is incorrect. Score: 0	
Accepted Answers: Grid can have positive and negative integer and real values as cell values,whereas, image can have positive integer values	nave only
5) Major differences between Vector and Raster data models: 1	point
<ul> <li>Vector and raster are same data models</li> <li>Vector is continuous, whereas raster data model is discrete</li> <li>Vector and raster both are discrete</li> <li>Vector is discrete, whereas raster data model is continuous</li> </ul>	
No, the answer is incorrect. Score: 0	
Accepted Answers: Vector is discrete, whereas raster data model is continuous	
6) Triangulated Irregular Network (TIN) is a:	point
<ul> <li>Discrete data model like vector data</li> <li>Discrete data model like raster data</li> <li>Neither vector nor raster data model</li> <li>Vector, Raster and TIN data models are same</li> </ul>	
No, the answer is incorrect. Score: 0	
Accepted Answers: Neither vector nor raster data model	
7) Which data model requires less space for computer storage?	point
Raster TIN Vector None of the above	
No, the answer is incorrect. Score: 0	
Accepted Answers: Vector	
8) Which of the following are true?	point
<ul> <li>Digitizing is defined as converting aerial photographs into maps</li> <li>A keyboard cannot be used to digitize maps, only to enter attribute information</li> <li>Digitizing from a tablet involves using a template</li> <li>Digitizing involves tracing map features into a computer</li> </ul>	
No, the answer is incorrect. Score: 0	
Accepted Answers: Digitizing involves tracing map features into a computer	
9) Spatial referencing is the process of which of the following?	point
<ul> <li>Combing attribute values with locational information</li> <li>Referencing geo-relational tables</li> <li>Computing the reference between items in databases</li> <li>Establishing the topology of spatial objects</li> </ul>	

No, the answer is incorrect. Score: 0
Accepted Answers:
Combing attribute values with locational information
10)Which of the following is not an example of spatial data?  1 point
<ul> <li>Points showing location of discrete objects</li> <li>Times of particular events</li> <li>Lines showing the route of linear objects</li> <li>Polygons showing the area occupied by a particular land use or variable</li> </ul>
No, the answer is incorrect. Score: 0
Accepted Answers: Times of particular events
11)Geographic Information System (GIS) is a based information system designed to 1 point accept large volumes of data derived from variety of sources and to efficiently store, retrieve, model and display (output) these data according to defined specifications.
<ul><li>Manual, Special, Recover, All</li><li>Manual, Temporal, Analyses, User</li><li>Computer, Spatial, Analyses, User</li></ul>
Computer, Timely, Delete, Not
No, the answer is incorrect. Score: 0
Accepted Answers: Computer, Spatial, Analyses, User
12By definition a GIS must include: 1 point
<ul> <li>A method for storing demographic information</li> <li>A method for scanning maps to produce raster files</li> <li>A method for digitizing maps to produce vector files</li> <li>Data analysis functions</li> </ul>
No, the answer is incorrect. Score: 0
Accepted Answers:  Data analysis functions
13)Which of the following statement is true of the history of GIS?  1 point
<ul> <li>Public utilities were early users of automated mapping and GIS technologies.</li> <li>The development of the first true GIS depended upon the invention of the microcomputer in the early 1980s.</li> </ul>
<ul><li>Some of the first applications were groundwater exploration.</li><li>Municipal government agencies have been slow to adopt GIS.</li></ul>
No, the answer is incorrect. Score: 0
Accepted Answers: Public utilities were early users of automated mapping and GIS technologies.
14)The TIN model represents a surface as a set of: 1 point
Contiguous and non-overlapping triangles Contiguous and overlapping triangles Non-contiguous and overlapping triangles Non-contiguous and non-overlapping triangles
No, the answer is incorrect. Score: 0

Accepted Answers: Contiguous and non-overlapping triangles	
15)GIS is unique because:	1 point
GIS handles spatial information GIS handles special information GIS handles attributes GIS handles graphics	
No, the answer is incorrect. Score: 0	
Accepted Answers: GIS handles spatial information	
16Name five components of GIS	1 point
<ul> <li>Software, Data, Methods, Theory, Printers</li> <li>Hardware, Software, Data, Methods, People</li> <li>Hardware, Software, Maps, Data, Theory</li> <li>Software, Equations, Maps, Theory, People</li> </ul>	
No, the answer is incorrect. Score: 0	
Accepted Answers: Hardware, Software, Data, Methods, People	
17)mage can have onlyinteger pixel values, whereas grid can haveandreal andcell values.	1 point
<ul> <li>Negative, Negative, Positive, Integer</li> <li>Positive, Negative, Negative, Integer</li> <li>Positive, Positive, Negative, Integer</li> <li>Negative, Positive, Positive, Real</li> </ul>	
No, the answer is incorrect. Score: 0	
Accepted Answers: Positive, Positive, Negative, Integer	
18) Human factors influence the success of GIS as a decision support tool.	1 point
<ul><li>False</li><li>True</li></ul>	
No, the answer is incorrect. Score: 0	
Accepted Answers: True	
19Reality can be represented in GIS as a series of layers or as objects.	1 point
False True	
No, the answer is incorrect. Score: 0	
Accepted Answers: True	
20)Attribute data are one type of spatial data.	1 point
True False	
No, the answer is incorrect. Score: 0	

**Accepted Answers:** 

False

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