APJ ABDULKALAM TECHNOLOGICAL UNIVERSITY 08 PALAKKAD CLUSTER

(Pages: 2)

Name:....

Q.P.CODE:-TE0819214-I

c. Explain Raster data model.

•		Re	eg No:
	SECOND SEMESTED M		_
		TECH. DEGREE EXAMINATION MA	
Branch: Civi	il Engineering	Specialization: Transportation	on Engineering
08CE6214	GIS AND ITS APPLI	CATIONS IN TRANSPORTATION	ENGINEERING
Time:3 hours			Max. marks: 60
		Answer all six questions.	
Modules 1	to 6: Part 'a' of each question	is compulsory and answer either part 'b' or part	'c' of each question.
Q.no.		Module 1	Marks
1.a Define th	ne term "GIS". Name the	different components of GIS	3
		Answer b or c	
b. Which are	e the different types of Ge	o spatial data? Explain.	6
c. Explain th	e different types of Cylin	drical projections with neat sketches	6
Q.no.		Module 2	Marks
2.a Define th	ne terms (i) Encapsulation	(ii) Inheritance (iii) Polymorphism Answer b or c	3
b. Write a no	ote on Georelational data	model and object based data model	6

Q.no. Module 3	Marks
3.a What do you mean by RMS Error	3
Answer b or c	
b. Explain the term "Geometric transformations "	6
c.Explain attribute data input	6
Q.no. Module 4	Marks
4.a What do you mean by the terms (i) Buffering (ii) Overlay Answer b or c	3
b. Explain data exploration techniques in GIS	6
c. Explain Raster data analysis	6
Q.no. Module 5	Marks
Q.no. Module 5 5.a Write down the different applications of GIS in Transportation planning Answer b or c	Marks
5.a Write down the different applications of GIS in Transportation planning	4
5.a Write down the different applications of GIS in Transportation planning Answer b or c	4
 5.a Write down the different applications of GIS in Transportation planning Answer b or c b. Explain applications of Aerial and Satellite imageries in transportation engineering 	4 g 8
 5.a Write down the different applications of GIS in Transportation planning	4 g 8 8
 5.a Write down the different applications of GIS in Transportation planning	4 8 Marks