POST GRADUATE CERTIFICATE IN GEOINFORMATICS (PGCGI)

Term-End Examination

00941

June, 2019

MGY-003: GLOBAL NAVIGATION SATELLITE SYSTEM AND GEOGRAPHIC INFORMATION SYSTEM

Time: 2 hours				Maximum Marks : 50			
No	Note: All questions are compulsory . Internal choices are given in question nos. 2 to 4. The marks for each question is indicated against it.						
1.	Ans	Fill	<pre>## parts : in the blank d(s) :</pre>	spaces	with appr	opriate 3×1≕	
		(i)	is		•	J. 12	
		(ii)	is vectorisation				
		(iii)	PPS stands fo	or	·		

- (b) State whether the following statements are $True\ (T)$ or $False\ (F)$: $3\times 1=3$
 - (i) A TIN surface is composed of points, lines, triangles, hull polygon and topology.
 - (ii) Buffer operation is an important spatial analysis function for point and line in GIS.
 - (iii) Planimeter is an instrument for measuring 3-D figures.
- (c) Match the items given in Column A with those given in Column B: $4\times 1=4$

Column A

Column B

- (i) Address (1) Geocoding interpolation
- (ii) Accuracy (2) Redlands, California
- (iii) ESRI (3) India
- (iv) GAGAN (4) Exactness of manual data

2.	Write follow	short notes on any four of the ring: 4×5	=20				
	(a)	Error and its Types					
	(b)	Geographic Data and Geographic Information					
	(c)	Advantages and Disadvantages of Raster Data	•				
	(d)	Formats and Accuracy of GPS Data					
	(e)	Cartographic Outputs					
	(f)	Components of GIS Design					
	(g)	Surface Modelling					
3.		rate the reference framework in ensional and 3-dimensional mapping. OR	10				
	Discuss the advantages and disadvantages of GPS over conventional surveying.						
4.	What standa	is metadata ? Elaborate metadata ards, formats and creation.	10				
		OR					
	Discus	ss in detail, applications of GNSS.	10				