No. of Printed Pages: 3

**MGY-003** 

Maximum Marks: 50

# POST GRADUATE CERTIFICATE IN GEOINFORMATICS (PGCGI)

00244

Time: 2 hours

### **Term-End Examination**

December, 2016

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

Note:	All questions are compulsory.	Internal choices are
	given in Questions no. 2 to 4.	The marks for each

question are indicated against it.

DEM stands for

1. Answer all parts:

(ii)

(a)	Fill in the blank spaces with appropriate					
	word(s).			•		3×1=3
	(i) The	word DI	BMS sta	nds fo	or	·

(iii) The word GAGAN stands for

- (b) State if the following statements are True(T) or False(F):  $3\times 1=3$ 
  - (i) Attribute is a set or collection of data that describes the characteristics of real world entities.
  - (ii) Buffer operation is an important spatial analysis function for point and line in GIS.
  - (iii) Data integration is a process of transformation of spatial and non-spatial data from one form to the other.
- (c) Match the items given in Column A with those given in Column B:  $4\times 1=4$

### Column A

### Column B

- (i) Polygon
- (1) Exactness of measured data
- (ii) Object-Oriented
- (2) Closeness between digital database and real world
- (iii) Precision
- (3) Vector Data
- (iv) Accuracy
- (4) Database Model

2.	Write follov	e short ving:	notes	on	any	four	of	the <i>4</i> ×5	=20
	(a)	Databas	e Creat	ion			14		
	(b)	Spatial I	Element	s and	l their	Repres	enta	tion	
	(c)	GLONA	SS			_		•	
	(d)	Georefer	encing						
	(e)	Raster to	Vector	Data	Conv	ersion			
-	( <b>f</b> )	Spiral G	IS Desig	gn Mo	odel				
	( <b>g</b> )	Data Cor	nsistend	:y					
3.	,	ss the ba		ps to	find	User's	Loca	tion	10
				OR					
	(a)	What do	•	ınder	stand	by To	polog	gical	5
	(b)	Write abo	out the	three	segme	ents of	GPS.		5
4.	Discu	ss the five	e compo	nents	s of GI	S.			10
				OR					
	(a)	Write al output.	out th	e dif	ferent	types	of	GIS	5
	(b)	State the		•			ntage	s of	5