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**MGY-001**

**POST GRADUATE CERTIFICATE IN  
GEOINFORMATICS (PGCGI)**

**Term-End Examination**

**June, 2023**

**MGY-001 : INTRODUCTION TO GEOINFORMATICS**

*Time : 2 Hours*

*Maximum Marks : 50*

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**Note :** (i) *All questions are compulsory.*

(ii) *Internal choices are given in question numbers 2 to 4.*

(iii) *The marks of each question are indicated against it.*

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1. Answer *all* parts : 4×1=4

(a) Give full forms of the following abbreviations :

(i) SAT

(ii) GRACE

(iii) Geo Tiff

(iv) GSLV

**P. T. O.**

- (b) Match the items given in column A with the most appropriate one given in Column B :  $6 \times 1 = 6$

Column A	Column B
(i) LISS IV	(a) Vegetation/ Natural resources studies
(ii) AVHRR	(b) Chlorophyll
(iii) OCM	(c) SST
(iv) ASTER	(d) Snow monitoring
(v) AWIFS	(e) Lithological mapping
(vi) MODVOLC	(f) Volcanic alert system

2. Write short notes on any *four* of the following :  $4 \times 5 = 20$

- (a) Trends in GNSS
- (b) SWOT analysis of FOSS and COTS
- (c) Primary and secondary vector data
- (d) Geographic coordinate system
- (e) Applications of Geoinformatics in water resources studies
- (f) Spatial planning

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3. (a) Define Geoinformatics. Discuss the remote sensing, GIS and GNSS components of Geoinformatics. 10

*Or*

- (b) What is topographical map ? Explain in detail various physical features depicted on topographical maps with the help of neat well-labelled diagrams. 10

4. (a) Explain the role of Geoinformatics in meteorological studies. 10

*Or*

- (b) What do you understand by data format ? Discuss its types and support your answer with suitable diagrams. 10