

AQ – 853

**First Semester M. Sc. (Part-I) (CBCS Pattern)
Examination**

(New Course)

GEOINFORMATICS

Geodesy and GPS

Paper – MGI (103)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

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- Note :** (1) All questions are compulsory and carry equal marks.
(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :—

- (a) Reference surface and Co-ordinate system in Geodesy.
- (b) Transformation.

OR

- (c) Types of Projection.
- (d) Geodetic datum.

16

**2. Give a brief account of World geodetic system
84.**

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OR

Discuss in detail Plumb line and deflection of vertical. 16

3. Give the account of following :—

- (a) Working of GPS.
- (b) Intentional limitation of system accuracy.

OR

- (c) Observation and Principle of signal structure.
- (d) Point and relative positioning. 16

4. Describe the concept of GPS receivers and its main components.

OR

Explain in brief how GPS determine location and application of GPS. 16

5. Write in brief on following :—

- (a) Absolute orientation.
- (b) Navigation with GPS.

OR

- (c) Limitation of DGPs survey.
- (d) Digital image generation. 16

