

M.Sc. (Part-I) Semester-I (C.B.C.S. Scheme) Examination
GEOINFORMATICS
(Geodesy and GPS)
Paper-MGI-103

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :

- (a) Everest spheroid.
- (b) Reference surfaces.

OR

Write in brief on the following :

- (c) Ellipsoid of rotation.
 - (d) Coordinate system in geodesy.
2. Describe in detail about Geodetic coordinates and Natural coordinates.

OR

Explain in brief about the principle radii of curvature.

3. Write in brief on the following :

- (a) User segment.
- (b) Control segment.

OR

Write in brief on the following :

- (c) Signal structure.
 - (d) Accuracy of GPS measurement.
4. Write in brief on the following :
- (a) Navigational receivers.
 - (b) Receiver concepts.

OR

Write in brief on the following :

- (c) Geodetic receivers.
 - (d) Classical receivers.
5. Describe in brief about the planning and realization of GPS observations.

OR

Give an account on DGPS surveys. Add a note on their applications and limitations.

