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Roll No.....

Dip/Sem II/164

**One Year P.G. Diploma
(Semester) II Examination,
2014-15**

Remote Sensing and GIS

Paper : GID-203

Applications of Remote Sensing & GIS

Time : Three Hours

Full Marks : 70

*(Write your Roll No. at the top immediately on the
receipt of this question paper)*

Note: Answer **Five** questions in **all**. Question No.
One, carrying **20** marks, is compulsory.
Remaining questions are of equal marks.

1. Write short answer of the following:

- (a) Remote sensing in flood zone mapping.
- (b) Remote sensing in habitat suitability studies.
- (c) Ground truth in remote sensing.
- (d) Glacier mapping using remote sensing.

P.T.O.

- (e) Remote sensing in land use /Land cover mapping.
- 2.** Discuss the role of remote sensing and GIS in environmental mapping and monitoring.
 - 3.** Explain the role of geospatial technology in health services and disease mapping.
 - 4.** Examine the significance of remote sensing in surface and ground water estimation.
 - 5.** How does GIS and remote sensing help in rural and urban planning? Discuss.
 - 6.** Describe the application of remote sensing and GIS in forest fire mapping.
 - 7.** Present an account of remote sensing applications in geological and geomorphological mapping.

- 8.** How does remote sensing data help in crop inventory and crop forecasting ? Discuss in detail.