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**UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)**

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**PGDGIS-16-17 ASSIGNMENT****Last date of Submission: 30/04/2017****Course Title: Geographical Information System****Course Code: PGDGIS -02****Year: 2016-17****Maximum Marks: 30**

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**Section 'A' contains 08 short answer type questions of 4 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.**

Briefly discuss the following:

- 1- Write short note on GIS data storage?
- 2- Define the term buffer?
- 3- How many types of scales and how it helps in mapping?
- 4- Define cylindrical projection.
- 5- What is the role of digitization in GIS?
- 6- What are the components of GIS? Explain.
- 7- Write a short note on Requirements of GIS?
- 8- What are Thematic Maps?

**Section 'B' contains 04 long answer-type questions of 07 marks each. Learners are required to answers 02 questions only.**

1. Discuss in detail about spatial and non-spatial data?
2. Discuss the application of GIS in vehicle tracking system?
3. Explain Vector and Raster?
4. Explain in detail about UTM projection System.