UPES

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course: Geo-Informatics for Planning **Semester: V**
Programme: B. Plan **Course Code: BPLC 361**
Time: 03 hrs. **Max. Marks: 100**
Instructions:

SECTION A

S. No.		Marks	CO
Q 1	What are raster data? How these differ with victor data.	4	
Q 2	List the various components of remote sensing system.	4	
Q 3	Differentiate: Geosnychronous and Sun 'synchronous -satellites.	4	
Q 4	What are the uses of stereo satellite data products?	4	
Q 5	Explain various Hardware and list few standard GIS software.	4	

SECTION B

Q 6	Explain how different satellite imageries are used for assessing urban sprawl studies.	10	
Q 7	What are major benefits of space-based technology for National Urban Information System by NRSC (ISRO).	10	
Q 8	What are the components of GIS? Explain raster and vector data structure. (Draw sketches wherever necessary).	10	
Q 9	What is Information System Hierarchy? Illustrate the most common model of Information System Hierarchy	10	

SECTION-C

Q 10	Write in detail on applications of Remote Sensing and GIS in Urban Planning? Give few example.	20	
Q 11	What is National Urban Information System (NUIS) scheme? Describe NUIS components in detail and its limitation. OR Describe the Urban Information Systems in Planning and development of a new city.	20	