BICEE-003

241		VIL ENGINEERING BTCLEVI)
0024	Term-End Examination December, 2013 BICEE-003 : REMOTE SENSING IN CIVIL ENGINEERING	
	Note : Attempt any seven questions. All questions carry equal marks.	
		ensing ? Discuss the Remote 10 th illustrative line diagram.
	<b>2.</b> Explain the followi	ng terms in brief : 4x2.5=10

- (a) Hemispherical absorptance
- (b) Hemispherical transmittance
- (c) Hemispherical reflectance
- (d) Percent reflectance
- What is filter in photographic imaging? Explain 10 different types of filter used in photographic imaging.
- Name the different sensors developed by India for 10 Remote sensing. State the spectral and spatial resolution of all LISS sensors.
- 5. Explain the use of remote sensing data for 10 .geomorphological and soil mapping in the context of geological mapping.

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- 6. Explain the application of remote sensing in ocean **10** and coastal monitoring.
- 7. What are the differences between supervised and 10 unsupervised classification of digital images ? Explain briefly.
- What do you understand by visual Image 10 Interpretation ? Explain the elements of image interpretation in brief.
- Define the term Orbit in reference to geometry of Remote sensing. Discuss the different types of Orbits with neat sketches.
- **10.** Attempt **any four** of the following : 4x2.5=10
  - (a) Nadir and Swath
  - (b) Spectral Resolution
  - (c) Colour Composite
  - (d) Microwave Remotesing
  - (e) Panoramic Cameras
  - (f) GIS and Remote-Sensing