

School of Computing Science and Engineering

Department of Computing Science and Engineering
Mid Term Examination

Exam Date: 27 Sep 2023

Time : 90 Minutes

Marks : 50

Sem VII - BTCS9606 - Satellite Image Analysis

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Explain about the Low Earth Orbit (LEO) Satellite. K2 (2)
 - 2) Explain communicational satellites with example. K1 (3)
 - 3) Discuss about the Principle of Satellite motion. K2 (4)
 - 4) Discuss the component of Remote sensing with a suitable diagram. K2 (6)
 - 5) Discuss temporal resolution with respect to Landsat-8 and Sentinel-2 imagery. K3 (6)
 - 6) Explain Spectral Response and its role in satellite imaging. K3 (9)
 - 7) Explain the different types of satellite imagery resolution with suitable examples. K4 (8)
 - 8) Explain Radiometric calibration and atmospheric correction with application-based examples. K4 (12)
- OR**
- Explain layer stacking of satellite images with its importance. K4 (12)