

KATHMANDU UNIVERSITY
End Semester Examination [C]
April/May, 2023

26 APR 2023

Level : B.E.
Year : III
Time : 2 hrs. 30 mins.

Course : CIEG 302
Semester : I
F. M. : 40

SECTION "B"
[4Q. × 10 = 40 marks]

Attempt *ALL* questions.

1.
 - a. Eye is analogous to the Remote Sensing. Explain with suitable example. [3]
 - b. Write in short about the history of aerial photographs. [2]
 - c. Describe briefly how Electromagnetic Radiation interacts with the environment. [5]
2.
 - a. What is DEM? Explain its importance in Watershed Management. [1+4]
 - b. Explain the different data formats in GIS. [5]
3.
 - a. Why Atmospheric Window is important in the Remote Sensing? Explain with neat figure. [5]
 - b. Explain role of the Remote Sensing to monitor land use changes. [3]
 - c. Explain linear contrast enhancement. [2]
4.
 - a. What is an orbit of the Satellite? Explain Geosynchronous orbits with their advantages in our daily life. [1+4]
 - b. How Visual Image Interpretation helps for better understanding the image? Explain with suitable figures. [5]

