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School of Engineering**B.TECH Civil Engineering
Mid Term Examination - May 2024****Duration : 90 Minutes
Max Marks : 50****Sem IV - G1UA402B - Remote Sensing and Geographical Information System**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Outline the role of sensor in Remote sensing. K2 (2)
- 2) Define DBMS. K1 (3)
- 3) Explain the significance of Stefan-Boltzman and Wein's Displacement Law in remote sensing K2 (4)
- 4) Illustrate the concept of atmospheric absorption and its effect on remote sensing data. K2 (6)
- 5) Identify the type of electromagnetic radiation commonly used in remote sensing. K3 (6)
- 6) Construct the process of remote sensing with neat sketch. K3 (9)
- 7) Classify the components of GIS and explain them with neat sketch. K4 (8)
- 8) Analyze the effect of atmosphere on EMR. K4 (12)

OR

Analyze ideal and real remote sensing system with their advantages and disadvantages. K4 (12)