GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Engineering

B.TECH Civil Engineering
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

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)	Recall the basic components of GIS.	K1(2)
2)	Explain the basic elements of image interpretation.	K2(4)
3)	Illustrate the typical spectral reflective characteristics of vegetation.	K2(6)
4)	Construct the process of GIS with neat sketch.	K3(9)
5)	Construct the process of Georeferencing raster images for GIS analysis.	K3(9)
6)	Interpret the role of software in facilitating the integration of remote sensing and GIS technologies. How do software tools enable seamless data exchange and analysis between remote sensing and GIS platforms?	K5(10)
7)	Analyze the role of raster data in GIS, exploring its advantages and disadvantages compared to vector data models.	K4(12)
8)	Critically Examine the future trends and advancements in remote sensing and GIS technologies.	K5(15)
9)	Assess the influence of interpretation strategy on the accuracy and reliability of visual image interpretation in GIS, considering elements like drainage patterns, texture, erosion, and image tone	K5(15)
10)	Elaborate the methodology of land use mapping in remote senisng with neat skecth.	K6(18)