



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Tech.(CE)]-2021

Course Name – Remote Sensing & GIS

Course Code - PEC-CE802C

(Semester VIII)

Library

Brainware University
399, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Identify the key principle behind remote sensing.
 - a) Direct contact measurement
 - b) Electromagnetic radiation
 - c) Chemical reaction
 - d) Mechanical sensing
- (ii) Identify the source of electromagnetic radiation in passive remote sensing.
 - a) Sun
 - b) Radar
 - c) Laser
 - d) Artificial satellite
- (iii) Select the type of remote sensing that relies on sunlight.
 - a) Active remote sensing
 - b) Passive remote sensing
 - c) Radar remote sensing
 - d) Thermal remote sensing
- (iv) Choose the satellite sensor used for high-resolution imagery.
 - a) Landsat
 - b) MODIS
 - c) LIDAR
 - d) Sentinel-2
- (v) Identify the primary function of a remote sensing sensor.
 - a) Data storage
 - b) Image processing
 - c) Data acquisition
 - d) Satellite control
- (vi) Select the type of remote sensing sensor that uses emitted radiation.
 - a) Passive
 - b) Active
 - c) Reflective
 - d) Refractive
- (vii) Select the property that differentiates hyperspectral sensors from multispectral sensors.
 - a) Number of spectral bands
 - b) Spatial resolution
 - c) Orbit height
 - d) Sensor material
- (viii) Choose the correct definition of spectral resolution.
 - a) Number of pixels in an image
 - b) Number of bands a sensor captures
 - c) Number of times a satellite revisits an area
 - d) Number of bits used to store data
- (ix) Identify the two main types of remote sensing.

