# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
## TEST -2 EXAMINATIONS-2022
### B.Tech-VII Semester (CS/IT/ECE/Civil/BT)

COURSE CODE (CREDITS): 22B1WCE731 (3)　　　　　　MAX. MARKS: 25

COURSE NAME: REMOTE SENSING AND GEOMATICS

COURSE INSTRUCTORS:　AKASH BHARDWAJ　　　MAX. TIME: 1 Hour and 30 Minutes

*Note: All questions are compulsory. Marks are indicated against each question in square brackets.*

Q1. (a) What are radiometric errors in Remote Sensing? Write about shot noise error in RS.

(3 marks)

(b) Write short notes on scan skew error in RS with neat figure.　　　(2 marks) [CO 2]

Q2. (a) What is a spectral reflectance curve? Explain spectral signature curve for vegetation with figure.

(3 marks)

(b) Write the advantages of using remotely sensed images over ground observation.

(2 marks) [CO 1]

Q3. (a) What are the factors which govern the interpretability of remote sensing data?　(2 marks)

(b) What are the elements of image interpretation? Explain any two.　　(3 marks) [CO 3]

Q4. (a) What is SAR? Explain its major features.　　　　　　　　(3 marks)

(b) Differentiate between strip map mode and spot light modes of imaging in SAR remote sensing.

(4 marks) [CO 3]

Q5. Discuss backscattering in microwave remote sensing for smooth surface and rough surface with example.

(3 marks) [CO 2]

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