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NOUFAL-KN

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2008-2009  
 M.Sc. (II SEMESTER) EXAMINATION  
 APPLIED GEOLOGY  
 REMOTE SENSING IN GEOLOGY AND GEOMORPHOLOGY  
 (GLM-8007)

Maximum Marks: 70

Duration: Two Hours

Answer all questions.

1. Discuss, in detail, the characteristics of electromagnetic radiation as emitted by the Sun and transmitted through the earth's atmosphere. 18

OR

1'. Explain the spectral reflectance characteristics of different kinds of land cover features.

2. What is photogrammetry? Enumerate the recent advances in photogrammetry and its various applications. 17

3. What kind of remotely sensed data are used in the interpretation of various sedimentary rocks? 17

4. What is band rationing? Discuss the various methods of band rationing used in mineral and vegetation mapping. 18

OR

4'. Discuss, in detail, the terrain criteria used in evaluation of sites for:  
 (a) Dams  
 (b) Industrial areas.

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