R16

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, September - 2020
REMOTE SENSING AND GIS
(Common to CSE, IT)

Time: 2 Hours   **Max. Marks: 75**

Answer any Five Questions
All Questions Carry Equal Marks
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1.a) Explain in detail about the applications of aerial photo interpretation.
 b) State and explain the types of aerial photographs.   [7+8]

2.a) Explain how height is measured based on relief displacement.
 b) What is meant by Photogrammetry? State the principles of aerial photograph.   [7+8]

3.a) Explain the different types of resolution.
 b) Write the various elements of visual interpretation techniques.   [8+7]

4.a) Discuss any two Indian satellites and their sensor characteristics.
 b) Describe energy interaction with various earth features.   [8+7]

5.a) Describe the components of Geographic Information Systems.
 b) Briefly explain the cylindrical projection system.   [8+7]

6.a) Describe the overlay analysis in GIS.
 b) Elaborate the types of map projections.   [7+8]

7.a) Briefly discuss the Spaghetti Model.
 b) Explain the different classes in vector model and their relationship.   [7+8]

8.a) Describing the following
    i) Remote Sensing data   ii) Field data   iii) Text data
 b) Write a detailed note on raster data model.   [9+6]

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