Code No: R05410103 **R05** **Set No. 2**

IV B.Tech I Semester Examinations,NOVEMBER 2010
REMOTE SENSING AND GIS APPLICATIONS
Civil Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

⋆ ⋆ ⋆ ⋆ ⋆

1. Sketch the following:
   (a) Geometric components of relief displacement.
   (b) Parallax displacements on overlapping vertical photographs. [16]
2. Explain the fundamental difference between a simple set of graphics and a map in terms of how each represents our environment. What is so difficult about transferring a map to a computer? [16]
3. Explain the theory of electromagnetic spectrum with the help of a neat sketch. [16]
4. Explain along with a flow chart how remote sensing is useful for the preparation of drought assessment and monitoring steps for a given state. [16]
5. what are the various parameters that can be taken to target the ground water prospects in a region? [16]
6. Explain in detail the significance of
   (a) Four M′s of GIS with the help of a schematic representation.
   (b) GIS categories. [16]
7. (a) Distinguish between a camera and a sensor.
   (b) Write short notes on Ray lie scatter and Mie scatter. [6+10]
8. (a) Whata are important functions of database management system?
   (b) What are data structures? Outline their uses in GIS. [8+8]

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Code No: R05410103 **R05** **Set No. 4**

IV B.Tech I Semester Examinations,NOVEMBER 2010
REMOTE SENSING AND GIS APPLICATIONS
Civil Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Explain the fundamental difference between a simple set of graphics and a map in terms of how each represents our environment. What is so difficult about transferring a map to a computer? [16]
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   (b) Write short notes on Ray lie scatter and Mie scatter. [6+10]
3. what are the various parameters that can be taken to target the ground water prospects in a region? [16]
4. (a) Whata are important functions of database management system?
   (b) What are data structures? Outline their uses in GIS. [8+8]
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6. Explain in detail the significance of
   (a) Four M′s of GIS with the help of a schematic representation.
   (b) GIS categories. [16]
7. Explain the theory of electromagnetic spectrum with the help of a neat sketch. [16]
8. Sketch the following:
   (a) Geometric components of relief displacement.
   (b) Parallax displacements on overlapping vertical photographs. [16]

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Code No: R05410103 **R05** **Set No. 1**

IV B.Tech I Semester Examinations,NOVEMBER 2010
REMOTE SENSING AND GIS APPLICATIONS
Civil Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Explain in detail the significance of
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   (b) GIS categories. [16]
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8. Sketch the following:
   (a) Geometric components of relief displacement.
   (b) Parallax displacements on overlapping vertical photographs. [16]

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Code No: R05410103 **R05** **Set No. 3**

IV B.Tech I Semester Examinations,NOVEMBER 2010
REMOTE SENSING AND GIS APPLICATIONS
Civil Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Explain along with a flow chart how remote sensing is useful for the preparation of drought assessment and monitoring steps for a given state. [16]
2. what are the various parameters that can be taken to target the ground water prospects in a region? [16]
3. (a) Distinguish between a camera and a sensor.
   (b) Write short notes on Ray lie scatter and Mie scatter. [6+10]
4. Sketch the following:
   (a) Geometric components of relief displacement.
   (b) Parallax displacements on overlapping vertical photographs. [16]
5. Explain the fundamental difference between a simple set of graphics and a map in terms of how each represents our environment. What is so difficult about transferring a map to a computer? [16]
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