PA-10033

[6009]-315
T.E. (Civil) (Insem)
REMOTE SENSING & GEOGRAPHIC INFORMATION SYSTEM
(2019 Pattern) (Semester - II) (301014)

Time : 1 Hour]   *[Max. Marks : 30*

Instructions to the candidates:
1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
2) *Figures to the right indicate full marks.*
3) *Assume suitable data, if necessary.*
4) *Use of electronic pocket calculator is allowed in the examination.*
5) *Neat diagrams must be drawn wherever necessary.*

Q1) a) Discuss different applications of remote sensing in civil engineering. **[5]**

b) Write a note on history of remote sensing technology. **[5]**

c) Explain with neat sketch components of remote sensing. **[5]**

OR

Q2) a) Discuss electromagnetic radiations interaction with the earth atmosphere. **[5]**

b) Explain different remote sensing platforms with neat sketch. **[5]**

c) Write a note on various elements of remote sensing for visual image interpretation. **[5]**

Q3) a) Discuss different types of resolutions used in satellite sensor. **[5]**

b) Write a note on global remote sensing satellite programs. **[5]**

c) Explain different types of remote sensing systems in use. **[5]**

OR

Q4) a) Discuss the importance of swath and nadir in remote sensing. **[5]**

b) Write a note on different types of remote sensing satellites. **[5]**

c) Enlist different open-source satellite data portals with link and use. **[5]**

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