

Total No. of Questions : 4]

SEAT No. :

PA-10033

[Total No. of Pages : 1

[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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