

Total No. of Questions : 4]

SEAT No. :

PD82

[Total No. of Pages : 1

[6410]-403

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 Q1 or Q2, Q3 or Q4.*
- 2) *Figures to the right indicate full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Use of electronic pocket calculators is allowed in the examination.*
- 5) *Assume suitable data, if necessary.*

- Q1)** a) Define the importance of atmospheric window in remote sensing. [5]
b) Discuss electromagnetic radiations interaction with atmosphere with neat sketch. [5]
c) Write a note on different remote sensing platforms. [5]

OR

- Q2)** a) What is active and passive remote sensing system? [5]
b) Explain different applications of remote sensing in civil engineering. [5]
c) What are the different elements of visual image interpretation? [5]

- Q3)** a) Define the concept of swath and nadir with sketch. [5]
b) Discuss radiometric type of resolutions used in satellite sensor. [5]
c) Enlist different open-source satellite data portals with link and use. [5]

OR

- Q4)** a) Explain in brief Indian remote sensing satellite programs. [5]
b) Illustrate the different types of sensors used in remote sensing and explain any one in detail. [5]
c) Write a note on Instantaneous Field of View with neat sketch. [5]

