



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

	InSem Examination-II Summer 2024		
	Exam Seat No.:		
	Academic Year:2023-2024	Semester: IV	
	Name of Programme: S.Y. B. Tech Civil Engineering	Pattern:2022	
	Name of Course:Remote Sensing and GIS	Course Code:CIV222014	
	Max. Marks:30	Duration:1 hour	

	<p>Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.</p> <ol style="list-style-type: none">1. This question paper contains 02 page(s).2. Answer to each new question is to be started on a new page.3. Assume suitable data wherever required, but justify it.4. Draw the neat labelled diagrams, wherever necessary.5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.	
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Question No. 1 Attempt following Question

- a) State the comparison between Map and aerial photographs. (5) CO1, CO2

OR

- b) Define the importance of atmospheric window in remote sensing. (5) CO1, CO2

- c) Discuss electromagnetic radiations interaction with atmosphere (5) CO1, CO2

OR

- d) Enlist different applications of remote sensing in civil engineering (5) CO1, CO2

- e) Explain the concept of Flight Planning in aerial photogrammetry. (5) CO1, CO2

OR

- f) Write a note on different remote sensing platforms. (5) CO1, CO2

Question No. 2 Attempt following Question

- a) Define the concept of swath and nadir with sketch. (5) CO1, CO3, CO4

OR

- b) Discuss radiometric type of resolutions used in satellite sensor. (5) CO1,
CO3,
CO4
- c) Explain different open-source satellite data portals with link and use. (5) CO1,
CO3,
CO4

OR

- d) State the Indian remote sensing satellite programs. (5) CO1,
CO3,
CO4
- e) Illustrate the different types of sensors used in remote sensing and explain any one in detail. (5) CO1,
CO3,
CO4

OR

- f) Write a note on Instantaneous Field of View with neat sketch. (5) CO1,
CO3,
CO4

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