

## M.Sc. Sem.-3 Examination

503

Geo-Informatics (EA-Appli. for Urban)

November-2025

Time : 2-30 Hours]

[Max. Marks : 70

## INSTRUCTIONS.

Q-I	A define urban management and write a note on the significance of planning for city growth	7
	B write a detailed note on the role and importance of field surveys for urban infrastructure development	7

or

Q-I	A explain in detail the role of remote sensing in urban disaster prevention and mitigation (emphasizing on 2 disasters excluding floods)	7
	B define wetland, state its importance and write a detailed note on the role of remote sensing in urban wetland management	7

Q-II	A write a note on the importance of urban sprawl monitoring and change detection analysis	7
	B define drainage system and write a detailed note on the positive and negative aspects/impacts of proper/improper urban drainage system	7

or

Q-II	A write a detailed note on the impact of urban sprawl on greenhouse gas emissions	7
	B write a note on the role and importance of urban managers for crucial decision making in various aspects (atleast 5 examples in detail)	7

Q-III	A define urban heat island and describe in detail the impact of urban heat island on human health	7
	B define and write a note on the significance of urban sensitivity analysis	7

or

Q-III	A write a detailed note on the impact of climatic changes on urban flooding	7
	B write a detailed note on the importance of remote sensing for urban hydrological monitoring	7

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Q IV	A write a note on the importance of green space in urban areas	7
	B write a detailed note on the significance of IDP	7

or

Q -IV	A write a note on the major differences between rural and urban economic drivers	7
	B. write a detailed note on the impacts of urban encroachment	7

QIX	MCQs attempt any seven out of twelve	14
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- 1) Provide the full form of NLCD
- 2) Provide the full form of IGBP
- 3) state the full form of IDP
- 4) state the full form of UNCRD
- 5) state the full form of IRDP
- 6) Provide the full form of BIM
- 7) define "occupational mobility"
- 8) define "rangeland"
- 9) Define "resilient cities"
- 10) Define "utility mapping"
- 11) Name any 7 greenhouse gases
- 12) State the 9 major classes of landuse

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