

Instructions:

Q-I	A define mineral, state its broad classification and write a detailed note on minerals as natural resource	7
	B write a note on the importance of remote sensing in monitoring and assessing water logged areas	7

or

Q-I	A define soil erosion and explain in detail at least 5 reasons of soil erosion and 5 ways to mitigate its impact	7
	B define and give 5 examples of natural resource (other than mineral). Write a detailed note on at least 5 consequences of over-exploitation of natural resource	7

Q-II	A write a note on the role of remote sensing in mitigating air pollution	7
	B write in detail the advantages and limitations of remote sensing in ecological studies	7

or

Q-II	A write a note on the role of aquifer in water contamination and state any 3 mitigating measures, provide a detailed diagram of an aquifer	7
	B explain in detail on the factors responsible for the variation in reflectance of a water body	7

Q-III	A explaining the formation process, define and write detailed notes on avalanche and cloudburst as disasters	7
	B define and write a note on the role of remote sensing in oil spill monitoring and mitigation	7

or

Q-III	A write a note on the fundamentals of remote sensing in assessing water quality	7
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	B write a note on the socio-economic impacts of floods	7
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Q IV	A define early warning system and forecasting. Quoting two examples write a note on the use of remote sensing in early warning for accurate event monitoring	7
	B write a note on the role of NGO's and media in post disaster reduction strategies	7

or

Q -IV	A write a note on the role of government in disaster risk management	7
	B. define vulnerability and write a note on the role of remote sensing in drought vulnerability assessment and monitoring	7

QIX	MCQs attempt any seven out of twelve	14
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- 1) Define optically inactive constituents
- 2) Define the term disaster relief
- 3) What does the aerodynamic particle property determine?
- 4) Define piezometric surface
- 5) state the full form of UNDRR
- 6) Define aerodynamic diameter
- 7) Define desorption and biosorption
- 8) Define vertisol
- 9) Define oligotrophic and mesotrophic states
- 10) State the full form of SSC, TSS and TDS
- 11) Define alfisol
- 12) State the difference between restoration and rehabilitation wrt disaster

