3/27

2303N285

date's Seat No:

M.Sc. Sem.-1 Examination 403

Geoinformatics

Time: 2-00 Hours

March 2022

[Max. Marks: 50

Instructions:

All questions in Section -I carry equal marks.

Attempt any Three questions in Section-I. Questions I in Section-II is COMPULSORY.

Section-i A Define the Nature of Climatology Q-I 7 B What do you know about the Scope of Climatology AEvolution of Earth's Atmosphere Q-II 7 B Explain the Structure and Composition of Earth Atmosphere 7 A Explain the Climate affecting factors the climatic parameters such Q-III 7 as Solar Insolation, temperature BHow the pressure and wind are affecting the Climate. 7 A Explain the concept and characteristics of Jet stream and Air Q-IV masses. BDefine theFronts, characteristics, movements, frontogenesis 7 AGiven the Physical properties of sea water Q-V 7 B Explain the chemical properties of sea water 7 AWhat are the main Factors affecting the distribution of Q-VI 7 temperature B Explain the Factors which are affecting the distribution of 7 Salinity A Define Marine Ecosystem and biozones, Plankton, Nekton Q-VII 7 and Benthos. B Explain the concept and characteristics ofocean deposits and 7 coral reef.

Q-VIII	A Impacts of Humans on the Marine Environment.	7
	B Assessing changes in ice-caps and coastal zone by RESOURCESAT Satellite.	7

	SectionII
CQs	
1.	Which type of climate consists of high humidity throughout the year and even in the dry season with variations in day and night temperatures?
	a) Hot wet
	b) Hot dry
	c) Cool dry
	d) Rainy
2.	Which one of the following is correct descending order (% composition) of permanent gases of Atmosphere? a) Argon > Carbon dioxide > Neon > Helium
	b) Carbon dioxide > Argon > Neon > Helium
	c) Carbon dioxide > Argon > Helium > Neon
	d) Argon > Carbon dioxide > Helium > Neon
3.	Consider the following statement (s) related to the Climatology a) Climate variability describes short-term changes in climate caused by naturally occurring events like El Niño or volcanic activity. b) Climate change is a warming or cooling in long-term weather patterns, at different places around the world. c) Both A and B d) Neither A nor B
4.	Which one of the following is correct about Water Vapor?
1.	Water vapor in atmosphere increases with altitude.
2.	Water vapor decreases from the equator towards the pole.
Sel	ect the correct options: a) 1only
	b) 2 only
	c) Both
	d) None of the above

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5. Whic	ch one of the following ocean currents is different from others?	Ţ	
b)	Labrador North Atlantic Drift Gulf stream Kuroshio		
6.The f	ormation of the Mid-Atlantic Ridge is a typical example of the process of		
b)	Convergence Divergence Shear Seafloor spreading	**************************************	
a) b) c)	he correct answer from the following codes: 1 and 3 2 and 4 1 and 2 2 and 3		
7.The S	argasso sea is a part of the		
b)	Arctic ocean Indian ocean North Atlantic ocean South Atlantic ocean		
8.Consid	der the following statements.		
2.	On the planet Earth, the fresh water available for use amounts to about less than 1% of the total water found. Of the total fresh water found on the planet Earth 95% is bound up in polarice caps and glaciers.	ĺ	
a) b) l c) (of the statements given above is/are correct? Neither 1 nor 2 Both 1 and 2 Only 1 Only 2		