RAMAKRISHNA SARADA MISSION VIVEKANANDA VIDYABHAVAN

GEOGRAPHY HONOURS\_SEMESTER - VI

INTERNAL EXAM: DSE-04T (HYDROLOGY & OCEANOGRAPHY)

FULL MARKS – 40

TIME – 2 Hours

DATE – 01.06.2023

A. Answer any one (within 600 words) of the following questions: 1x10=10

1. Explain the controlling factors of Salinity variation of ocean water. Why is the water of the Red Sea much warmer than the water of the Indian Ocean? 7+3 = 10 (AP)

2. Discuss the different controlling factors of infiltration. What is the importance of the global hydrological cycle? 6+4 = 10 (ND)

B. Answer any four (Each within 150 words) of the following questions: 4x5=20

3. Account for the formation of mid-oceanic ridges and oceanic trenches according to the Plate Tectonic Theory. (AP)

4. Differentiate - Potential Evapotranspiration and Actual Evapotranspiration. (ND)

5. Explain the different processes of heating & cooling of ocean water. (SM)

6. Describe the Chemical properties of Ocean water. (SM)

7. Explain about the Principle of watershed management. (KD)

8. Briefly classify the marine resources. (KD)

C. Answer any five (Each within 50 words) of the following questions: 5x2=10

9. What do you mean by Thermocline & Halocline Layer? (AP)

10. Classify Run-off. (ND)

11. Distinguish between photic and aphotic zones. (SM)

12. What is the importance of ocean water temperature? (SM)

13. State the characteristics of the Pycnocline layer. (SM)

14. Mention two measures taken for sustainable utilisation of marine resources. (KD)

15. Differentiate between Pelagic fish and Demersal fish. (KD)

16. What is a drainage basin? (KD)

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