SEMESTER EXAMINATION-2021
CLASS - MSC SUBJECT - ENVIRONMENTAL SCIENCE
PAPER CODE: MEN-E 305 PAPER TITLE: Himalayan Geology and ecology

Time: 3 hour **Max. Marks: 70**
Min. Pass: 40%

Note: Question Paper is divided into two sections: **A and B.** Attempt both the sections as per given instructions.

SECTION-A (SHORT ANSWER TYPE QUESTIONS)

Instructions: Answer any five questions in about 150 words each. Each question carries six marks. (5 X 6 = 30 Marks)

Question-1: What is meant by seismicity and neotectonics.
Question-2: Explain different climatic zones in Indian Himalayan region.
Question-3: How shifting cultivation and grazing causes forest degradation?
Question-4: List factors responsible for diminishing agriculture in Indian Himalayan Region (IHR).
Question-5: Name major glacial resources of IHR.
Question-6: Write a brief note on conservation and development strategies of aquatic resources in IHR.
Question-7: Explain different types of agriculture system of the region.
Question-8: What do you understand by resource mobilization? Explain with example.
Question-9: Explain factors responsible for sedimentation of reservoirs.
Question-10: Describe salient features of watershed of IHR.

SECTION-B (LONG ANSWER TYPE QUESTIONS)

Instructions: Answer any FOUR questions in detail. Each question carries 10 marks. (4 X 10 = 40 Marks)

Question-11: Explain types of folds with suitable examples.
Question-12: Write a descriptive note on economic viability of forests of Indian Himalayan region.
Question-13: Describe land-capability classes with reference to better land utilization.
Question-14: What are the environmental and socio-economic implication of tourism in Indian Himalayan region?
Question-15: Describe crop and plant resources of himalayan region with their vertical distribution.
Question-16: Explain methods and strategies to expand water availability in himalayan region.

Question-17: Describe the evidence of the holocene movements with emphasis on thrusts.

Question-18: Describe classification of rocks with suitable examples.

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