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DDE

M.A./M.Sc. Part-I Examination

GEOGRAPHY Standard GEOGRAPHY

PAPER-II

Full Marks: 100

Time: 4 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Write the answer question of each Group in separate books.

MODULE-3

(Climatology)

[Marks: 50]

Group-A collision as a will be

Answer any two questions:

2×15

1. What do you mean by applied climatology? How do you correlate climatology with meteorology? What is 'hydrostatic equilibrium'? 6+6+3

- 2. Why does temperature decrease with increasing attitude? What is inversion of temp? Explain the heat-budget of the earth-atmosphere. 2+3+10
- 3. Explain the favourable conditions for the origin of tropical cyclone. Discuss the weather conditions associated with the tropical cyclone. What do you mean by 'eye of the cyclone'? 5+8+2
- 4. Explain the ice crystal theory of raindrop formation. What do you mean by 'Vapour pressure', 'Condensation nuclei' and 'dew point'? 9+6

The figures in the right-hand marain indicate full marks

TISAL DE CASADADA TEM Group—B

Answer any two questions:

2×10

5. What are the sources of 'green home gasses'? Discuss the impacts of global warming on marine environment.

2+8

- 6. What is 'geostropic wind'? Explain the influence of jet stream on Indian monsoon. 2+8
- 7. What is 'wet adiabatic lapse rate'? Explain the processes of airmass modification. 2+8
- 8. What do you mean by 'ENSO'? What are the climatic impacts of ENSO?

MODULE-4

(Environmental Studies)

[Marks: 50]

erocess of land degradation with suitable diagram." Group-A

Answer any two questions: 6. Differentiate natural ecosystem from managed ecosystem

- 1. What are the sources of groundwater pollution? Write about the contamination of groundwater mentioning arsenic (As) as contaminant. T. What is dust bowl'? Delineate the sources of
- 2. Give a brief account on the mountain ecosystem of the world with suitable example. How this system affected by anthropogenic interunion? What is tree line? 10+3+2
- 3. Is there any difference between environmental movements and social movements? Elucidate your answer. Critically discuss the role of environmental movements for conserving environment with Indian examples. What do you know about Bisnois? 4+8+3
- 4. Elucidate the role of IUCN and UNEP for pertaining global environmental quality. What do you mean by MDGs? Point out the tenets of deep ecology. 8+3+4

Group-B

Answer any two questions:

2×10

5. What is biomagnification? Give an account on the process of land degradation with suitable diagram.

2+8

- 6. Differentiate natural ecosystem from managed ecosystem and briefly discuss on agricultural ecosystem as a managed ecosystem.
- 7. What is 'dust bowl'? Delineate the sources of water pollution in an urban area.
- 8. Discuss the problems specific to the catchment areas of 10 a large dam. Is there any difference betwien environmental movements

Fount out the teners of deck ecology where the 8+3+4