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End Semester Examination of Semester-III, 2015

Subject : GEOGRAPHY (HONS.) (UG)

Paper : VI

Full Marks : 40

Time : 2 Hrs

The figures in the margin indicate the marks corresponding to the question

Candidates are requested to give their answers in their own word as far as practicable.

Illustrate the answers wherever necessary.

Group A

Answer any two questions : 10x2=20

1. Make a critical assessment of considering river basin as a hydrological unit.
2. Explain the controlling factors of salinity and temperature of ocean water briefly.
3. Explain the thermal layering of atmosphere with diagram.
4. Elucidate Tricellular model regarding the formation of global planetary wind system.

Group-B

Answer any two questions : 5x2=10

5. Explain jet stream.
6. Classify air mass on the basis of their source region.

(2)

7. Explain the role of troposphere in determining the climatic phenomena.
8. Briefly discuss the causes for temperature inversion.

Group-C

Answer any five questions :

2x5=10

9. What is water budget?
 10. Distinguish between infiltration and percolation.
 11. What do you mean by tidal bulge?
 12. Distinguish between surface flow and base flow.
 13. What is the difference between adiabatic cooling and adiabatic heating.
 14. Define index cycle.
 15. Define condensation nuclei.
 16. Why is the flow aloft is predominantly westerly?
 17. Define saturation vapour pressure.
 18. Differentiate polar continental airmass from tropical maritime airmass.
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