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RNLKWC/B.Sc.-CBCS/IIIS/GEO/H/C5T/22

2022

Geography

[HONOURS]

(CBCS)

(B.Sc. Third Semester End Examination-2022)

PAPER-C5T

Time: 02 Hrs

Full Marks: 40

The figures in the right hand margin indicate marks

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

Illustrate the answers wherever necessary

Group-A

Answer any one question of the following: 10x1=10

1. Explain how atmospheric composition varies with altitude, latitude and season.
2. Describe the scheme of climate classification by Koppen with its criticism. 10

Group-B

Answer any four questions of the following: 5x4 = 20

3. Examine the Bergeron-Findeisen theory on mechanism of precipitation.
4. Write a brief account on the controlling factors of lapse rate.
5. Write a short note on formation of extra tropical cyclone.

(2)

6. Discuss the Tri-cellular model of general circulation of atmosphere.
7. Write about Jet stream Index cycle.
8. How is the heat budget maintained in atmosphere?

Group –C

Answer any five questions:

2x5 = 10

9. Define El Niño.
 10. What is meant by geostrophic wind?
 11. What is ITCZ?
 12. What is solar constant?
 13. Define albedo.
 14. What is atmospheric window?
 15. Distinguish between barotropic and baroclinic conditions of the atmosphere.
 16. Distinguish dew point from freezing point.
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