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UG/3rd Sem/GEO(H)/T/19

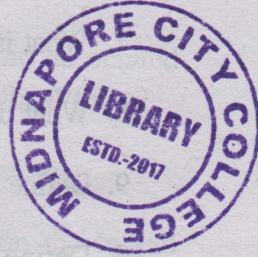
2019

B.Sc.

3rd Semester Examination

GEOGRAPHY (Honours)

Paper - C 5-T



Full Marks : 60

Time : 3 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *ten* questions : $10 \times 2 = 20$

1. What is Aerosol ?
2. What do you mean by Heat Budget ?
3. What is O_3 ?
4. What is Catabatic and Anabatic wind ?
5. What do you mean by dewpoint Temperature ?
6. Define Frontogenesis.

[Turn Over]

(2)

7. What is Barotropic wind ?
8. What do you mean by 'eye of cyclone' ?
9. Define "Zero Coriolis Force Zone".
10. Define water spout and wind shear situation during Cyclogenesis stage.
11. Define ENSO.
12. What is Low Zonal Index of Jet Stream ?
13. What do you mean by 'Burst of Monsoon' ?
14. What is frontal fog ?
15. What do you mean by Heat Budget ?

Group - B

Answer any *four* questions : $4 \times 5 = 20$

16. Explain the Environmental Significance of Ozone Layers.
17. Explain mechanism and consequences of inversion of Temperature.
18. Discuss the genesis Mechanism of Mid-Latitude cyclone.

(3)

19. State the Geostrophic Balance of wind associated with pressure gradient force and centrifugal force.
20. Discuss about the life cycle of thunderstorm.
21. Explain the role of Tibetan plateau on the Indian Monsoon.

Group - C

Answer any *two* questions : $2 \times 10 = 20$

22. Discuss different controlling factors of insolation.
23. State the main causes of temperature inversion and mention the types of temperature inversion. $5+5$
24. Discuss the main features of the climatic classification system developed by Koppen. Mention its merit and limitation.
25. What do you mean by Global Warming ? Critically examine the adverse effect of Global Warming. 10

