WEST BENGAL STATE UNIVERSITY
B.A./B.Sc. Honours 3rd Semester Examination, 2020, held in 2021

GEOACOR05T-GEOGRAPHY (CC5)

CLIMATOLOGY

Time Allotted: 2 Hours   Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

CATEGORY-A

Answer any *one* question from the following (within 600 words)   10×1 = 10

1. Discuss the layers of the atmosphere with special reference to the importance of Ozonosphere.   7+3

2. Discuss the formation of Mid-Latitude Cyclones. Discuss the 'Eye' of a Cyclone.   8+2

CATEGORY-B

Answer any *four* questions from the following (within 150 words each)   5×4 = 20

3. Explain the Latitudinal Heat Balance.

4. What are the major types of inversion of temperature?

5. Classify the Air masses mentioning the bases of such classification.

6. Give a detailed account on Green House Effect with special reference to CFCs.

7. What do you understand by Stability and Instability of Atmosphere?

8. Discuss in brief the tri-cellular model with special reference to Hadley Cell.

9. How does Aw Climate differ from Af Climate?

CATEGORY-C

Answer any *five* questions from the following (within 50 words each)   2×5 = 10

10. What is the break in monsoon?

11. Define Hygroscopic Nuclei.

12. Why does pilot prefer to fly through Stratosphere?

13. Mention briefly the factors of Insolation.

14. What is ITCZ?

15. Discuss the basis of climatic classification by Koppen.

16. What do you understand by Potential Evapotranspiration?

17. Briefly discuss how does Jet Stream influence Indian Monsoon.

18. What is SMOG?

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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