

2025

M.Sc. 3rd Semester Examination

GEOGRAPHY

Paper : GEO - 302

(Energy, Water, and Food Nexus)

Full Marks : 25

Time : One Hour

*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 *two* questions : $2 \times 2 = 4$

1. Define carbon footprint.
2. What is transboundary water conflict?
3. What is bioenergy?
4. What do you mean by 'system approach' in studying the WEF nexus?

Group - B

Answer any *two* questions : $4 \times 2 = 8$

5. Briefly discuss the national energy policy towards addressing the growing demand for food.

P.T.O.

(2)

6. Write a note on the challenges of harnessing green energy in India.
7. What are the national-level programs to address the irrigation needs in the drought-prone areas?
8. How does the emission of GHGs affect the critical relationship between water and food?

Group - C

Answer any *one* question : $8 \times 1 = 8$

9. Evaluate the implications of the green revolution during 1965-1980 in addressing the WEF nexus.
10. How do the potential pathways of climate change influence the WEF nexus?

Internal Assessment : 5 marks
