

**Geography (P.G.)**

**[CBCS]**

**M.Sc. First Semester End Examination-2023**

**(Regular & Supplementary Paper)**

**PAPER-104**

**Full Marks: 40**

**Time: 02 Hrs**

*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.*

**Unit: 7**

**Full Marks 20**

**Group A**

**Answer any one question of the following:**

**1x8=8**

- 1) Give a brief account on the formation of cyclone by J.Bjerkness with suitable diagram.
- 2) What are the effects of global warming? Write down the different measures to mitigate the situation.

**Group B**

**Answer any two questions of the following:**

**2x4= 8**

- 3) Explain the thermo dynamic mechanism of air mass modification.
  - 4) Correlate jet stream with the onset of Indian monsoon.
  - 5) Briefly discuss the Tricellular Meridional Circulation with suitable diagram.
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(2)

6) How does the ENSO develop in the Pacific Ocean?

**Group C**

**Answer any two questions of the following: 2x2= 4**

- 7) What is cloudburst?
- 8) What is tornado misile?
- 9) What is Walker circulation?
- 10) Write a short note on white box modeling.

**Unit: 8**

**[Natural Hazard & Disaster Management]**

**Full Marks 20**

**Group A**

**Answer any one question of the following: 1x8=8**

- 1) What is meant by drought? Explain the impact of drought.
- 2) What is tsunami? What are the measures to arrest the effects of tsunami?

**Group B**

**Answer any two questions of the following: 2x4= 8**

- 3) Write on effects of desertification in short.
- 4) Classify Disaster and mention their characteristics.
- 5) Write a short note on disease causing disaster in recent past.

(3)

6) Discuss the paradigm shift in the concept of disaster risk and management in short.

**Group C**

**Answer any two questions of the following: 2x2= 4**

- 7) What is meant by 'resilience'?
  - 8) How does earthquake cause liquefaction?
  - 9) What is meant by geological hazard?
  - 10) Distinguish between risk and vulnerability.
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