

Total number of printed pages-4

14 (GGY-1) 1036

2022

GEOGRAPHY

Paper : GGY-1036

(Climatology and Biogeography)

Full Marks : 80

Time : Three hours

**The figures in the margin indicate
full marks for the questions.**

UNIT-I : Climatology

(Marks : 48)

Group-I

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

16×2=32

1. "The scope and dimensions of the subject climatology is evolved over time." Discuss the statement in view of the development and scope of the subject and increased monitoring and observation tools in recent decades. 8+8=16

Contd.

2. Discuss the process of genesis and distribution of atmospheric pressure and how it is related to the global wind systems ?

8+8=16

3. Discuss the classification of world climate as put forwarded by Vladimir Koppen. 16

Group-II

Answer any two of the following questions :

8×2=16

4. What are the factors that determine the characteristics of an air mass and how the air-masses are modified ? 8
5. Discuss the techniques of weather forecasting. 8
6. Discuss in brief the linkages among the Walker circulations, ENSO events and global climate. 8

UNIT-II : Biogeography

(Marks : 32)

Group-III

Answer any one of the following questions :

16×1=16

7. Discuss the soil forming factors and how soil is related to the distribution of vegetation.

16

8. Give an account of biodiversity of N-E India. In this context discuss different conservation measures.

8+8=16

Group-IV

Answer any two of the following questions :

8×2=16

9. Discuss the scope of biogeography in view of growing environmental crisis of the world.

8

10. What are the bio-energy cycles ? Discuss *anyone* in detail.

8

11. Write short notes on : **(any two)** $4 \times 2 = 8$

(a) Carbon cycle

(b) Island biogeography

(c) National Forest Policy, 1988