

## **B.A. Geography Honours under CBCS System (Sem-V)**

### **DC11A: Biogeography (Theory)**

Teacher: Lamhu Dolma Tamang

Suggested Books:

1. Chapman, J.L. and Reiss, M.J. (1992): Ecology Principles and Applications, Cambridge
2. Chapman J.L. and Rens, M.J. (1993): Ecology: Principle and Applications, Cambridge University Press, Cambridge.
3. Dash, M.C. (2001): Fundamental of Ecology, 2nd edition, Tata McGraw-Hill, New Delhi.
4. Floth, H.D. (1990): Fundamentals of Soil science, 8th edition, John Wiley and Sons, New York.
5. Huggett, R. (1998): Fundamentals of Biogeography, Routledge, London:
6. Joy, T. et al. (1989): Human Impact on The Ecosystem, Oliver and Boyd, London.
7. Kendeigh, S.C. (1975): Ecology with Special Reference to Man and animals, Prentice Hall,
8. Khinchi, Shyam S. (editor) (2015): Biodiversity Distribution and Conservation, Pointer
9. Kormondy, E.J. (1991): Concepts of Ecology, Prentice Hall India, New Delhi.
10. Kormondy, E.J. (1996): Concept of Ecology, 4th edition, Prentice- Hall, India, New Delhi
11. Myers, A. A. and Giller, P.S. (editors) (1988): Analytical Biogeography: an Integrated Approach to the Study of Animal and Plant Distribution. Chapman and Hall, London
12. Nebel, J.B. (1981): Environmental Science, Prentice Hall, New York.
13. Odum, E.P. (1971): Fundamentals of Ecology, W.B. Sanders, Philadelphia.
14. Sharma, P. D. (1996): Ecology and Environment, 7th edition, Rastogi Publications, Meerut.
15. Shukla, R.S. and Chandel, P.S. (1930): Plant Ecology and Soil Science, S Chand, New Delhi.
16. Simmons, I. G. (1981): The Ecology of Natural Resources, ELBS/ Edward Arnold, London.
17. Simmons, I.G. (1980): Bio-geographical Processes, George Allen and Unwin, London.
18. Spellerberg, I. F. and Sarwyer, J. W. D. (1999): An Introduction to Applied Biogeography, University Press, Cambridge.
19. Weddell, B. J. (2002): Conserving Living Natural Resources in the Context of a Changing World, Cambridge University Press, and Cambridge.
20. Young, A. (2000): Land Resource: Now and Future, Cambridge University Press, Cambridge.

| <b>Sl. No.</b> | <b>Biogeography</b>                                                     |
|----------------|-------------------------------------------------------------------------|
| 1              | Concept of Biogeography                                                 |
| 2              | Concept and definition of Biosphere                                     |
| 3              | Concept and definition of Biomas                                        |
| 4              | Concept and definition of Ecosystem,                                    |
| 5              | Type of ecosystem                                                       |
| 6              | Concept of Ecotone                                                      |
| 7              | Concept of Community                                                    |
| 8              | Concept of Ecology                                                      |
| 9              | Concept of trophic structure                                            |
| 10             | Concept of food chain & food web                                        |
| 11             | Concept of Biodiversity                                                 |
| 12             | Energy flow in ecosystems                                               |
| 13             | Bio-geochemical cycles with special reference to carbon dioxide         |
| 14             | Bio-geochemical cycles with special reference to nitrogen               |
| 15             | Geographical extent and characteristic features of Tropical rain forest |
| 16             | Concept of Taiga biomes and its distribution                            |
| 17             | Causes and consequence of deforestation                                 |
| 18             | Concept of Forest management                                            |
| 19             | Concept of wetland, definition and Characteristics                      |
| 20             | Significance of Wetland                                                 |