

Undergraduate Program in Anthropology

Biodiversity and Indigenous Knowledge: Anthropological Perspectives

Semester V

Paper No- 11

Marks: 150 (Theory = 75; Internal Assessment = 25; Practical / Project = 50)

Theory

Unit I:

Biodiversity: basic concepts, UN Convention on biodiversity, interface between human and animal world, interface between biodiversity and indigenous knowledge, health implications of biological diversity, conservation of biological diversity.

Unit II:

Indigenous Knowledge: basic concept, critique of western scientific knowledge, historical context of the emergence of indigenous knowledge, contemporary relevance of indigenous knowledge.

Unit III:

Problems of Indigenous Knowledge: methods and techniques of data collection, issues pertaining to transfer of indigenous knowledge, debates for making indigenous knowledge universal, politics of indigenous knowledge, notion of identity and property.

Unit IV:

Intellectual Property Rights relating to biodiversity and indigenous knowledge, biodiversity and genetic resources, protection of plant varieties and farmers rights, policy on displacement of indigenous people.

Project report on Indian cases pertaining to Indigenous Knowledge and Intellectual Property Rights on biodiversity, disease causation and cure, ethno-ecology, management And harvesting of water resources, architectural pan and veterinary practices.

Readings

1. Antweiler C. (2004). Local Knowledge Theory and Methods: An Urban Model from Indonesia. In *Investigating Local Knowledge: New Directions, New Approaches* (eds.) Alan Bicker, Paul Sillitoe & John Pottier. Ashgate. [Unit II (Page: 1-34)]
2. Eldredge N. (2002). An Encyclopedia of Biodiversity, Ecology, and Evolution Volume 1 A–G. ABC-CLIO, Inc. Santa Barbara, California. [Unit I (Page: 1-30)]
3. Ellen R. (2003). Variation and Uniformity in the Construction of Biological Knowledge across Cultures. In *Nature Across Cultures: Views of Nature and Environment I Non Western Cultures* (eds.) H. Selin, Great Britain: Kluwer Academic Press. [Unit II (Page: 47-73)]
4. Leveque C. & Mounolou J. (2003). Brief History of a Concept: Why be Concerned by Biological Diversity? In *Biodiversity*. John Wiley & Sons Ltd. [Unit I (Page: 5-12)]
5. Leveque C. & Mounolou J. 2003. The Dynamics of Biological Diversity and the Consequences of Human Activities. In *Biodiversity*. John Wiley & Sons Ltd. [Unit I (Page: 131-164, 165-184, 225-248)]
6. Leveque C. & Mounolou, J. (2003). Genetic Resources and Biotechnology. In *Biodiversity*. John Wiley & Sons Ltd. [Unit IV (Page: 185-206)]
7. Mandal M. (2009). Internal Displacement in India: Status, Condition & Prospects of Return. *Refugee Watch*, 33: 33-47 [Unit IV]
8. Murray L.T. (2007). Articulating Indigenous Identity in Indonesia: Resource Politics and Tribal Slot. In *Environmental Anthropology: A Historical Reader* (eds.) Michael Dove & Carol Carpenter. Blackwell. [Unit III (Page: 339-362)]
9. National Biodiversity Authority, 2004. Know the Biological Diversity Act (2002) and the Rules (2004). Ministry of Environment and Forests, New Delhi. [Unit IV]
10. Palsson G. (2007). Bio-value: Appropriating Genomes. In *Anthropology and the New Genetics*. Cambridge University Press. [Unit IV (Page: 150-175)]
11. Posey D. 2008. Indigenous Management of Tropical Forest Ecosystem: The Case of the Kayapo Indians of the Brazilian Amazon. In *Environmental Anthropology: A Historical Reader* (eds.) Michael Dove & Carol Carpenter. Blackwell. [Unit III (Page: 89-102)]
12. Sillitoe P. (1988). The Development of Indigenous knowledge: A New Applied Anthropology. *Current Anthropology* 19 (2): 223-252 [Unit II]
13. United Nations, 1992. Convention on Biological Diversity (1992). [Unit I (Page: 1-17)]
14. Vayda A. P., Walters B.B. & Setyawati, I. 2004. Doing and Knowing: Questions about Studies of Local Knowledge. In *Investigating Local Knowledge: New Directions, New Approaches* (eds.) Alan Bicker, Paul Sillitoe & John Pottier. Ashgate. [Unit III (Page: 35-58)]
15. Wadehra B.L. (2012). Protection of Plant Varieties and Farmers' Rights. In *Law Relating to Intellectual Property 5* (eds.) Universal Law Publishing Co. New Delhi. [Unit IV (Page: 517-528)]
16. Zerbe N. (2003). Biodiversity Conservation and Protection of Traditional Knowledge. In *Les Carnets du Centre de Philosophie du Droit*, 106: 1-36 [Unit I]