

Kolhan University, Chaibasa  
Four Year Undergraduate Programme (FYUGP)  
Anthropology, MJ-2, Credits: 3, Sem-II

## **Major Paper-2**

### **Introduction to Biological Anthropology**

#### **Theory (3 credits/45 credit hours)**

**Unit I:** History and development of understanding human variation and evolutionary thought, theories of evolution: Lamarckism, Neo Lamarckism, Darwinism, Synthetic Theory, Mutation and Neo-Mutation theories. **(10 lectures)**

**Unit II:** History of Physical Anthropology and development of Modern Biological Anthropology; aim, scope and relationship with allied disciplines; differences in modern and traditional approaches in Biological Anthropology. **(10 lectures)**

**Unit III:** Non-human primates and human evolution, classification and characteristics of living primates, comparative anatomy and behaviour of human and non-human primates, significance of studying non-human primates in Biological Anthropology. **(10 lectures)**

**Unit IV:** Great divisions of humanity: comparative account of various racial classifications (Blumenbach, Hooton, Haddon, Deniker), paradigm shift in racial studies: from typological to populational model; UNESCO statement on race, recent understanding of human biological categories in the context of human genome research. **(15 lectures)**

#### **Suggested Readings**

Boyd, Robert, Silk, John B. 2015. *How Humans Evolved*. W.W. Norton

Das, B.M. 2013. *Outlines of Physical Anthropology*. Allahabad: Kitab Mahal.

Jurmain, R., Kilgore, L., Trevathan, W., Ciochon, R.L. 2012. *Introduction to Physical Anthropology*. Wadsworth Publication.

Krober, A. L. 1948. *Anthropology*. Oxford & IBH Publishing Co.

Laesen, Clark Spencer. 2014. *Our Origins: Discovering Physical Anthropology*. W.W. Norton

Molnar, Stephen. 1975. *Human Variations: Race Types and Ethnic Groups*. London: Routledge.

Stanford, Craig Britton, 2009. *Biological Anthropology: The Natural History of Humankind* Pearson Prentice-Hall.

Stanford, C., Allen, J.S. and Anton, S.C. 2010. *Exploring Biological Anthropology: The Essentials*. Pearson Prentice-Hall.

Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race 1972. Issued by UNESCO. Oxford University Press.

Kolhan University, Chaibasa  
Four Year Undergraduate Programme (FYUGP)  
Anthropology, MJ-3, Credits: 3, Sem-II

### **Major Paper-3**

## **Introduction to Archaeological Anthropology**

### **Theory (3 credits/45 credit hours)**

**Unit I:** Definition and scope of archaeological anthropology, relationship with other branches of anthropology and allied disciplines, methods of studying archaeological anthropology, estimation of time and reconstruction of the past, absolute dating methods, relative dating methods. **(15 lectures)**

**Unit II:** Geochronology of Pleistocene Epoch: Glacial and Interglacial Pluviation and Inter Pluviation, Different types of geoclimatic events. **(10 lectures)**

**Unit III:** Paleolithic Culture: Characteristic of lower, middle and upper Paleolithic culture, Paleolithic Art. **(10 lectures)**

**Unit IV:** Features of Mesolithic, Neolithic, Chalcolithic and Bronze age cultures. **(10 lectures)**

### **Suggested Readings**

Allchin and Allchin. 1993. *The Rise of Civilization of India and Pakistan*. Cambridge University Press.

Bhattacharya, D.K. 1978. *Emergence of Culture in Europe*, Delhi: B.R. Publication.

Bhattacharya, D.K. 1979. *Old Stone Age Tools and Techniques*. Calcutta: K.P. Bagchi Company.

Bhattacharya, D.K. 1996. *Palaeolithic Europe*. Humanities Press.

Champion et al. 1984. *Prehistoric Europe*. New York: Academic Press.

Fagan, B.M. 1983. *People of Earth: An Introduction*. Boston: Little, Brown & Company.

Phillipson, D. W. 2005. *African Archaeology*. Cambridge: Cambridge University Press.

Sankalia, H.D. 1964. *Stone Age Tools*. Poona: Deccan College.

Kolhan University, Chaibasa  
Four Year Undergraduate Programme (FYUGP)  
Anthropology, MJ Practical-2, Credits: 2, Sem-II

## **MJ Practical-2 (MJ 2+MJ-3)**

### **List of Practicals (2 credit/60 credit hours)**

#### **From MJ-2 Paper (1 credit/30 credit hours)**

##### **I. Somatometry**

1. Maximum head length
2. Maximum head breadth
3. Minimum frontal breadth
4. Maximum bizygomatic breadth
5. Bigonial breadth
6. Nasal height
7. Nasal length
8. Nasal breadth
9. Physiognomic facial height
10. Morphological facial height
11. Physiognomic upper facial height
12. Morphological upper facial height
13. Head circumference
14. Stature
15. Sitting height
16. Body weight

##### **III. Somatoscopy**

1. Head form
2. Hair form
3. Facial form
4. Eye form
5. Nose form
6. Hair colour
7. Eye colour
8. Skin colour

**From MJ-3 Paper (1 credit/30 credit hours)**

Identification, interpretation and drawings of at least one artefact from each tool type given below:

1. Core Tool Types
2. Flake Tool Types
3. Blade Tool Types
4. Microlithic Tool Types