

Major II: Physical Anthropology (Draft)

Theory

Full Marks: 75

Credit- 4

Time: 3 hrs.

Instruction:

For Semester Internal Examination (Full Mark = 15, 10 Theory + 05 Attendance)

There will be two groups of questions. Question No. 1 will be very short answer type in Group A consisting of five questions of 1 mark each. Group B will contain descriptive type two questions of five mark each, out of which any one to answer.

For End Semester Examination (ESE 60 marks)

There will be two groups of questions. Group A is compulsory which contain three questions. Question No. 1 will be very short answer type consisting of five questions of 1 mark each. Question No. 2 & 3 will be short answer type of 5 marks. Group B will contain descriptive type six questions of 15 Marks each, out of which any three are to answer.

General Learning Outcomes

- The students will learn about Concept of biological evolution, types of evolution and various theories of evolution.
- They will learn about classification of animal kingdom and the place of man in animal kingdom.
- They will also learn about the Living primate, its distribution and its salient features
- They will also learn about Fossil primates and fossil evidence of human evolution concept of race
- They will also learn about the concepts Race, Criteria for racial classification and racial elements in Indian populations.

Unit I:

Physical Anthropology: meaning, scope, history & development

Biological Anthropology: meaning, scope, history & development

Main branches of Physical Anthropology

Relationship with allied disciplines

ईकाई I :

शारीरिक मानवविज्ञान : अर्थ, क्षेत्र, इतिहास एवं विकास

जैविक मानवविज्ञान : अर्थ, क्षेत्र, इतिहास एवं विकास

शारीरिक मानवविज्ञान के मुख्य शाखाएं

संबद्ध विषयों के साथ संबंध

Unit II:

Concept and theories of evolution: Lamarckism, Neo Lamarckism, Darwinism, Neo Darwinism, Synthetic theory

ईकाई II :

उद्विकास के संकल्पनाएं एवं अवधारणा : लैमार्कवाद, नव लैमार्कवाद, डार्विनवाद, नव डार्विनवाद, उद्विकास का संश्लेषणात्मक सिद्धांत ।

Unit III:

Man's place in the animal kingdom.

General characters of mammal: its classification

General characters of primate: its classification

ईकाई III :

प्राणी जगत में मानव का स्थान

स्तनधारी की सामान्य विशेषताएँ : इनका वर्गीकरण।

प्राइमेट्स की सामान्य विशेषताएँ : इनका वर्गीकरण।

Unit IV:

Physical features of man and apes: a comparative study

Structural changes due to erect posture or Bipedalism

1. Changes in Skull

2. Changes in Thorax and Vertebral Column

3. Changes in Pelvic Girdle

4. Change in forelimb and hindlimb

ईकाई IV :

मानव तथा कपि का शारीरिक विशेषताएँ : एक तुलनात्मक अध्ययन

उर्ध्व संस्थिति या द्विपादगमन के कारण संरचनात्मक परिवर्तन

1. कपाल में परिवर्तन
2. वक्ष एवं मेरुदंड में परिवर्तन
3. श्रोणि मेखला में परिवर्तन
4. अग्रपाद एवं पश्चपाद में परिवर्तन

Suggested Readings

- Craig Stanford, John S. Allen and Susan C. Anton (2008) Biological Anthropology
- John Buettner-Janusch (1969) Origins of Man. Wiley Eastern Pvt Ltd
- E. L. Simon (1972) Primate Evolution: An Introduction to Man's Place in Nature. New York,
- Craig Stanford, John S. Allen and Susan C. Anton (2009) Exploring Biological Anthropology
- Michael Park (2007) Biological Anthropology: An Introductory. Reader, McGraw Hill.
- P. K. Seth & S Seth (1986) Perspectives in Primate Biology. New Delhi, Today & Tomorrow Printers.
- John G. Fleagle (1999) Primate Adaptation and Evolution. Elsevier.
- E.A. Hooton (1947) Up from the Ape. New York, MacMillan.
- M. F. Ashley Montague (1977) UNESCO Statement on Race. New York
- शारीरिक मानवविज्ञान भाग – 1, शुक्ला एवं रस्तोगी
- शारीरिक मानवविज्ञान भाग – 2, शुक्ला एवं रस्तोगी
- शारीरिक मानवविज्ञान भाग – 3, शुक्ला एवं रस्तोगी
- शारीरिक मानवविज्ञान, प्रफुल्ल रंजन झा एवं दीपशिखा वर्णवाल, पीयूष पब्लिकेशन
- शारीरिक मानवविज्ञान, डॉ० ए०एन० शर्मा, अभिव्यक्ति प्रकाशन
- शारीरिक मानवविज्ञान, ए०आर०एन० श्रीवास्तव, ज्ञानदीप प्रकाशन

- शारीरिक मानवविज्ञान, डॉ० चर्तुभुज साहु, के०के० पब्लिकेशन्स
- शारीरिक मानवविज्ञान, डॉ० रमेश चौबे, मध्यप्रदेश हिन्दी ग्रंथ अकादमी

Practical

Full Marks: 25

Credit- 2

Time :3hrs

Instruction to Question Setter for End Semester Examination (ESE):

There will be one Practical Examination of 3 hrs duration. Evaluation of Practical Examination may be as per the following guidelines:

Written Exam	- 15 marks
Practical Record Notebook	- 05 marks
Viva Voce	- 05 marks

General Learning Outcomes

- The students will learn about Identification and description of the bones and human skeleton.
- They will also learn about Craniometrics Measurements, Somatometry measurements &
- They will also learn about Ageing and Sexing of bones

1. Identification and use of practical instruments.
2. Identification and description of the bones and human skeleton.
 - a. Identification of human skull bones: (frontal, parietal, temporal, occipital, maxilla, zygomatic, ethmoid, sphenoid, mandible).
 - b. Identification of human post-cranial bones: Vertebral column (atlas, axis, typical cervical, thoracic, lumbar, sacrum), sternum, clavicle, scapula, humerus, radius, ulna, innominate, femur, tibia, fibula.

Suggested Readings

- Indera P. Singh and M.K. Bhasin: (1989) Anthropometry. Delhi, Kamla Raj Enterprises
- M.K. Bhasin and S.M.S. Chahal: Manual of Human Blood Analysis (1996), Delhi, Kamla Raj Enterprises
- Judith Hall, Judith Allanson, Karen Gripp, and Anne Slavotinek (2006)
- Handbook of Physical Measurements (Oxford Handbook) Oxford University Press, USA; 2 edition
- Das, B.M. & R. Deka : Physical Anthropology Practical
- प्रायोगिक मानवविज्ञान, प्रो० बी०आर०के० शुक्ला और डॉ० सुधा रस्तोगी, भारत बुक सेन्टर, लखनऊ
- प्रायोगिक मानवविज्ञान, प्रो० बी०एन०दास और डॉ० रंजन डेका, किताब महल एजेंसी, इलाहाबाद