

2023

ANTHROPOLOGY

(Honours Core)

Paper : ANT-HC-2026

**(Fundamentals of Human
Origin and Evolution)**

Full Marks : 60

Time : Three hours

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

1. Answer the following questions : 1×7=7
- (a) Primate originated during _____ era.
(Fill in the blank)
 - (b) Omomyidae is the best known fossil primate of _____ epoch.
(Fill in the blank)
 - (c) Hominisation is also called as _____.
(Fill in the blank)

Contd.

(d) Ancestor of man who first time showed the bi-pedal movement is _____.

(Fill in the blank)

(e) The fossil of primitive man discovered from Siwalik hills of India is _____.

(Fill in the blank)

(f) Which character applies to Homo sapiens ?

(i) Opposable big-toe

(ii) Large canine

(iii) Cranial capacity 1450cc

(iv) Chin Prominence absent

(Choose the correct option)

(g) Dental formula of adult human is

(i) $\frac{2:1:2:2}{2:1:2:2}$

(ii) $\frac{2:1:1:4}{2:1:1:4}$

(iii) $\frac{2:1:2:3}{2:1:2:4}$

(iv) $\frac{2:1:2:3}{2:1:2:3}$

(Choose the correct option)

2. Give short answer to the following questions :

2×4=8

(a) Name *two* divisions of Neanderthal people.

(b) Who discovered the remains of Pithecanthropus erectus ? Mention the site.

(c) What is the difference between cranial and post-cranial skeleton ?

(d) How many cranial bones are there in the human skull ? Name them.

3. Write short notes on **any three** of the following : 5×3=15

(a) Oligocene fossil primates

(b) Homo habilis

(c) Stages of human evolution

(d) Hominisation process

(e) Upper extremity in human skeleton

4. Answer **any three** of the following questions :

10×3=30

- (a) Discuss the important physical characteristics of Neanderthals and discuss its phylogenetic position.
- (b) Mention the significant physical characteristics of Dryopithecus. Discuss the position of Dryopithecus in evolution of primate.
- (c) Discuss the origin and evolution of primates based on fossil remains.
- (d) Discuss the origin, distribution and physical characters of Cro-Magnon and Grimaldi.
- (e) Discuss the notable evolutionary changes in the human skeleton due to assumption of erect posture and bipedal locomotion.
- (f) Describe the human vertebral column and point out the main functions of the vertebral column.