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3 (Sem-6/CBCS) ANT HC 1

2024

ANTHROPOLOGY

(Honours Core)

Paper : ANT-HC-6016

(**Forensic Anthropology**)

Full Marks : 60

Time : Three hours

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

1. Choose the correct answer : $1 \times 7 = 7$
- (a) Who is known as the Father of Forensic Anthropology ?
- (i) T. D. Stewart
 - (ii) Thomas Dwight
 - (iii) W. M. Krogman
 - (iv) Ellis R. Kerley

Contd.

- (b) What is the shape of the male pelvis ?
- (i) Narrow and heart-shaped
 - (ii) Shallow and wide
 - (iii) Broad and oval
 - (iv) Larger and having a rounder pelvic inlet
- (c) The branch of science that involves the handling of dental evidence in a criminal justice context is known as
- (i) forensic odontology
 - (ii) racial dentistry
 - (iii) primate dentition
 - (iv) dentition of man
- (d) Who is regarded as the Father of Forensic Serology ?
- (i) Henry Faulds
 - (ii) Edmond Locard
 - (iii) Paolo Zacchia
 - (iv) Arthur Mourant
- (e) The shape of a non-human mandible is
- (i) U-shaped
 - (ii) V-shaped
 - (iii) oval-shaped
 - (iv) round

- (f) Ossification of bones may be used for determination of
- (i) age
 - (ii) stature
 - (iii) sex
 - (iv) time of death
- (g) Algor mortis is
- (i) post-mortem blood pooling
 - (ii) post-mortem decomposition
 - (iii) change in body temperature post-mortem
 - (iv) time since death

2. Answer the following questions in brief :

2×4=8

- (a) Write down the full form of 'mtDNA'. Who introduced DNA markers as a technique in forensic anthropology ?
- (b) What are the *three* types of blood stains ?
- (c) Write *two* uses of fingerprints in personal identification.
- (d) What is facial reconstruction in forensics ?

3. Write short notes on : (*any three*) 5×3=15

- (a) Application of somatometry in forensic anthropology

- (b) Forensic odontology
 - (c) Differentiation between human and non-human skeletal remains
 - (d) Sex differentiation in human skull
 - (e) Forensic identification using DNA
4. Attempt **any three** questions of the following :
(**essay type**) 10×3=30
- (a) What is forensic anthropology ? What are its applications ? Discuss briefly the scope of forensic anthropology.
2+2+6=10
 - (b) How does forensic anthropologist determine stature from skeletal remains ?
 - (c) Define complete and partial identification. Discuss about the different characteristics of a person that are examined for the purpose of personal identification. 2+8=10
 - (d) What is bite mark ? Explain how it helps in forensic investigation.
 - (e) Describe the forensic characterization of blood stains ?
 - (f) Describe briefly about the techniques of DNA profiling that are applied in forensic anthropology.