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3 (Sem-6/CBCS) ANT HC 1

2023

**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 :  $1 \times 7 = 7$
- (i) The field of science that is involved in identifying skeletal remains is called
- (a) Reconstruction Anatomy
  - (b) Physiology
  - (c) Forensic Anthropology
  - (d) Personal Identification

Contd.

(ii) Who is the father of Anthropometry?

- (a) Sir Francis Galton
- (b) Sir Edmond Locard
- (c) Sir Calvin Goddard
- (d) Sir Alphonse Bertillon

(iii) Why is photographing a death scene important?

- (a) Photographs are mandatory exhibits in trials
- (b) A case may not come to trial for years and memories fade
- (c) Photographs provide better, more reliable information than mapping a site
- (d) Photographs are more convenient than note taking

(iv) During a body search, which of the following is the best evidence of a possible grave?

- (a) A mound
- (b) Disturbed soil with new plant growth
- (c) Old dying vegetation
- (d) The body

(v) The metacarpals are bones of the

- (a) wrist
- (b) fingers
- (c) hand
- (d) foot



(vi) Which of the following best describes Rigor mortis?

(a) It is the pooling of blood after death

(b) It is the stiffening of muscles after death

(c) It is the cooling of the body after death

(vii) What is the shape of the chin in a female skull?

(a) Squarish

(b) Pointed

(c) Rounded

(d) Parabolic

2. Answer the following questions briefly :

2×4=8

(i) Write *two* differences between human and non-human bone.

(ii) What is the Bertillon system of Identification?

(iii) Define Forensic Odontology.

(iv) What is biometrics?

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

5×3=15

(i) What is the importance of forensic anthropologists?

(ii) Discuss how the sex of an individual can be determined from the analysis of pelvis.

(iii) Discuss the importance of Serology in Forensic Anthropology.



(iv) Discuss the scientific foundation of handwriting analysis.

(v) Explain what is meant by 'Personal Identification' in Forensic Anthropology.

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

questions :

10×3=30

(i) Define Forensic Anthropology and discuss its scope.

(ii) Discuss the procedure of estimating stature from bone fragments.

(iii) Discuss how biometrics is applied in personal identification.

(iv) What is Bloodstain Pattern Analysis? Discuss the identification of blood based on its composition and behaviour.

(v) Discuss the importance of dermatoglyphics in personal identification.

(vi) What is DNA profiling? Discuss its importance in forensic anthropology.

2+8=10