



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 6th Semester Examination, 2022

ANTACOR13T-ANTHROPOLOGY (CC13)

FORENSIC ANTHROPOLOGY

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.*

1. Answer any **two** questions from the following: (within 800-1000 words each) 10×2 = 20
 - (a) What is the significance of bloodstain in criminology? Briefly describe different patterns of bloodstain and their methods of identification in Forensic Anthropology. 2+8
 - (b) Discuss the importance of Forensic Odontology in Anthropology. Explain human tooth structure and growth with suitable diagrams. 2+8
 - (c) What is fingerprint? Describe the role of latent fingerprint in personal identification. Briefly discuss the process of developing latent fingerprint in Forensic Anthropology. 1+4+5
 - (d) What do you mean by personal Identification in Forensic Science? What is the significance of Somatometry in Personal Identification? How does Somatometry differ from somatoscopic observation? 2+6+2

2. Answer any **two** questions from the following: (within 300-400 words each) 5×2 = 10
 - (a) Discuss the role of human pelvis in sex determination. 5
 - (b) Briefly discuss the aim and scope of Forensic Anthropology. 5
 - (c) How do you identify a human femur? 5
 - (d) How do you estimate individual's age from skeletal characters? Explain in brief. 5

3. Answer any **five** questions from the following: (within 25-30 words each) 1×5 = 5
 - (a) Define long bone.
 - (b) What is Stature?
 - (c) Define Serology.
 - (d) What is sexual dimorphism?
 - (e) What is pattern intensity index?

- (f) What is Epiphysis?
- (g) Define patent fingerprint.
- (h) What do you mean by a triradius in dermatoglyphics?
- (i) What is meant by agglutination?

4. Answer the following questions by choosing correct option:

1×5 = 5

- (a) How many bones are found in human skull?
(i) 22 (ii) 23 (iii) 29 (iv) 21
- (b) Which of the following option is a Somatometric feature?
(i) Eye colour (ii) Lip thickness (iii) Nasal length (iv) Hair form
- (c) Ossification of bones is used for determination of
(i) Age (ii) Sex (iii) Stature (iv) Weight
- (d) Which of the following chemical is used for visualizing latent fingerprint?
(i) Sodium (ii) Silver Nitrate (iii) Chlorate (iv) None of these
- (e) Which of the following suture of the skull is the first to fuse?
(i) Sagittal (ii) Lambdoidal (iii) Metopic (iv) Coronal

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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