



WEST BENGAL STATE UNIVERSITY  
B.Sc. Honours 6th Semester Examination, 2024

ANTACOR13T-ANTHROPOLOGY (CC13)

NEW AND OLD SYLLABUS



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.*

NEW SYLLABUS

1. Answer any **two** questions from the following: (within 800-1000 words each) 10×2 = 20
  - (a) What is Forensic Anthropology? Briefly discuss the history, scope and application of Forensic Anthropology. 2+8
  - (b) How do you differ human teeth from other animal's teeth? Write a note on estimation of sex from different human bones. 3+7
  - (c) What do you mean by fingerprint recognition? Mention different types of fingerprint patterns. Discuss the role of Automated Fingerprint Identification System. 2+3+5
  - (d) What are body fluids? What are the different methods of identification and individualization of bloodstain in Forensic Anthropology? 3+7
2. Answer any **two** questions from the following: (within 250-300 words each) 5×2 = 10
  - (a) Discuss different methods of personal identification in Forensic Anthropology. 5
  - (b) Briefly discuss the conventional and modern methods for development of latent fingerprint. 5
  - (c) Write a note on the application of Dermatoglyphics in Forensic Anthropology. 5
  - (d) Briefly discuss how do you estimate age from human bones. 5
3. Answer any **five** questions from the following: (within 25-30 words each) 1×5 = 5
  - (a) What is Pattern Intensity Index?
  - (b) What is Saliva?
  - (c) What do you mean by Personal Identification?
  - (d) What is sexual dimorphism?
  - (e) What is Anthroposcopy?
  - (f) What do you mean by footprints?
  - (g) What is Plastic print?
  - (h) What do you mean by bite marks?
  - (i) What is AFIS?
  - (j) Define Stature.
4. Answer the following questions by choosing correct option: 1×5 = 5
  - (a) Triradius is absent in
    - (i) Ulnar loop
    - (ii) Radial loop
    - (iii) Arch
    - (iv) Whorl
  - (b) Regression equations are used in estimation of
    - (i) Age
    - (ii) Stature
    - (iii) Sex
    - (iv) Ancestry

- (c) Francis Galton is associated with  
 (i) Dermatoglyphics (ii) Anthropometry (iii) Anthroposcopy (iv) Odontology
- (d) The study of teeth is known as  
 (i) Odontology (ii) Dermatoglyphics (iii) Serology (iv) Anthroposcopy
- (e) Ossification is related to  
 (i) Blood (ii) Urine (iii) Fingerprint (iv) Bone

### OLD SYLLABUS

1. Answer any *two* questions from the following: (within 800-1000 words each)  $10 \times 2 = 20$
- (a) What is Forensic Anthropology? Briefly discuss history, scope and applications of Forensic Anthropology.  $2+8$
- (b) What do you mean by Forensic Odontology? Briefly state the importance of tooth structure and growth in individualization in Forensic Anthropology.  $2+4+4$
- (c) What do you mean by complete and partial identification? Describe the methods of identification in living persons by using Somatometry and Somatoscopy.  $2+4+4$
- (d) What is Bloodstain? What are the different methods of identification and individualization of Bloodstain in Forensic Anthropology?  $2+8$
2. Answer any *two* questions from the following: (within 300-400 words each)  $5 \times 2 = 10$
- (a) Discuss different methods of personal identification in Forensic Anthropology.  $5$
- (b) Briefly discuss the method of Latent fingerprint.  $5$
- (c) Briefly discuss the principles and applications of DNA Profiling.  $5$
- (d) Describe in brief how do you estimate age from human bones.  $5$
3. Answer any *five* questions from the following: (within 25-30 words each)  $1 \times 5 = 5$
- (a) What is Pattern Intensity Index?
- (b) What is Saliva?
- (c) What is sexual dimorphism?
- (d) What is bite marks?
- (e) What do you mean by footprints?
- (f) Define Stature.
- (g) What do you mean by ancestry?
- (h) What is facial reconstruction?
- (i) What is ossification?
- (j) What do you mean by Whorl?
4. Answer the following questions by choosing correct option:  $1 \times 5 = 5$
- (a) Triradius is absent in  
 (i) Ulnar loop (ii) Radial loop (iii) Whorl (iv) Arch
- (b) Regression equations are used in estimation of  
 (i) Age (ii) Stature (iii) Ancestry (iv) Sex
- (c) Francis Galton is associated with  
 (i) Dermatoglyphics (ii) Anthropometry (iii) Anthroposcopy (iv) Odontology
- (d) The study of teeth is known as  
 (i) Dermatoglyphics (ii) Odontology (iii) Serology (iv) Anthroposcopy
- (e) Ossification is related to  
 (i) Bone (ii) Blood (iii) Urine (iv) Fingerprint

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