

Roll No. ....

Total Pages : 2

**CMDQ/D-23**

**5176**

**FORENSIC ANTHROPOLOGY AND  
BIOMETRICS**

Paper–M-FSC-304

Time Allowed : 3 Hours]

[Maximum Marks : 80

**Note** : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

**Compulsory Question**

1. Give a brief explanation on the following :  $8 \times 2 = 16$
- (a) Cephalic Index.
  - (b) Difference between temporary and permanent teeth.
  - (c) What is anthropometry?
  - (d) What is forensic osteology?
  - (e) Write the dental formula for adult human teeth.
  - (f) Write the name of major skull sutures.
  - (g) Write the name of mandible bones.
  - (h) Write the name of scale used in bite marks photography.

**UNIT-I**

2. Give a detailed account on the development and scope of forensic anthropology. 16
3. Elaborate the following :
- (a) Methods of osteometry used in forensic science. 8
  - (b) Scope of osteometry in personal identification. 8

**UNIT-II**

4. Give a detailed account on the determination of sex by examination of human Bones. 16
5. Give an account on the following :
- (a) Determination of race from skull. 8
  - (b) Determination of stature from long bone. 8

**UNIT-III**

6. Give a detailed account on the determination of age from teeth evidence. 16
7. Elaborate the methods for bite marks collection, analysis and evaluation. 16

**UNIT-IV**

8. Explain the physical and behavioural Characteristics use in biometric. Give a detailed account on steps of biometric techniques. 16
9. What is 3D superimposition technique? Give a detailed explanation on comparison of skull by video superimposition. 16