



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours 1st Semester Examination, 2022-23

**ANTACOR01T-ANTHROPOLOGY (CC1)**

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.  
All symbols are of usual significance.*

**NEW SYLLABUS**

1. Answer any *two* of the following questions within 800-1000 words each: 10×2 = 20
  - (a) Write a note on Synthetic theory of evolution. Write in brief about the relationship between Neo-Darwinism and modern synthetic theory. 8+2
  - (b) Discuss about different evolutionary trends of primates. Write down the morphological and anatomical features of Chimpanzee. 5+5
  - (c) Discuss the scope of Biological Anthropology. What is the significance of Palaeoanthropology and Human genetics in Biological Anthropology? 4+6
  - (d) Classify the order Primates up to family level with example as done by Simpson. 10
  
2. Answer any *two* questions from the following within 300-400 words each: 5×2 = 10
  - (a) Briefly discuss about Adaptive Radiation and Extinction.
  - (b) Write a short note on primate behaviour.
  - (c) Write down the morphological features of any two long bones of humans.
  - (d) Write down an essay on Lamarckism.
  
3. Answer any *five* questions from the following within 25-30 words each: 1×5 = 5
  - (a) What do you mean by non-human primate?
  - (b) What is Sympatric Speciation?
  - (c) What is supra-orbital ridge?
  - (d) Define Irreversibility.
  - (e) What is Punctuated equilibrium?
  - (f) What is Foramen magnum?
  - (g) Define Primates.
  - (h) What is Forensic Anthropology?
  
4. Answer the following questions by choosing the correct option: 1×5 = 5
  - (a) Which bone is found on the lateral wall of the brain box?  
(i) Frontal                      (ii) Nasal                      (iii) Temporal                      (iv) Occipital
  - (b) Moving through trees by swinging arm over arm is called  
(i) bipedal locomotion                      (ii) brachiation  
(iii) quadrupedal locomotion                      (iv) arboreal
  - (c) To which of the following primates humans are most closely related?  
(i) Chimpanzee                      (ii) Gorilla                      (iii) Orangutan                      (iv) Gibbon
  - (d) Sagittal Crest is found among  
(i) Humans                      (ii) Gorillas                      (iii) Gibbons                      (iv) None of these
  - (e) 'Origin of Species' was published in  
(i) 1856                      (ii) 1857                      (iii) 1858                      (iv) 1859

### OLD SYLLABUS

1. Answer any *two* of the following questions within 800-1000 words each: 10×2 = 20
- (a) Write an essay about theory of Natural Selection as proposed by Darwin. 10
- (b) Who are primates? Briefly describe the general characteristics of order primates. What are the basic differences between Strepsirrhini and Haplorrhini? 2+6+2
- (c) Discuss in brief about the skeletal anatomy and functional morphology of long bones of human. 10
- (d) Define Biological Anthropology. Discuss the role of Biological Anthropology in Health Science and Medical Science. 2+4+4
2. Answer any *two* questions from the following within 300-400 words each: 5×2 = 10
- (a) Write a short note on Palaeoanthropology.
- (b) Write a short note on Human Pelvis.
- (c) Briefly discuss about behavioural characteristics of Great Apes.
- (d) Write in brief about Lamarckism.
3. Answer any *five* questions from the following within 25-30 words each: 1×5 = 5
- (a) What is Sagittal Crest?
- (b) What is Acetabulum cavity?
- (c) What is Natural selection?
- (d) What is Suture?
- (e) What do you mean by alveolar prognathism?
- (f) What is erect posture?
- (g) What is grooming?
- (h) Who are Asian apes?
4. Answer the following questions by choosing the correct option: 1×5 = 5
- (a) In Lamarck's view, the key of organic evolution is that each progeny
- (i) shows struggle for existence
- (ii) characters acquired by parental generation are inherited
- (iii) is similar to its parents.
- (iv) phylogeny is repeated in its ontogeny
- (b) Among which of the following primates Sagittal Crest is found?
- (i) Orangutan      (ii) Gorilla      (iii) Gibbon      (iv) Chimpanzee
- (c) Who among the following is not a great ape?
- (i) Gorilla      (ii) Orangutan      (iii) Gibbon      (iv) None of these
- (d) The dental formula of prosimians is
- (i) 2:1:2:3      (ii) 2:1:3:3      (iii) 2:1:3:0      (iv) None of these
- (e) Which of the following bone take part in formation of upper part of human leg?
- (i) Tibia      (ii) Fibula      (iii) Femur      (iv) Radius

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