

04.09.2016
Max time 3 Hours

TEST 3, AUG16
Max marks 200

ANTHROPOLOGY
PAPER 1(CHAPTERS 9.1 to 9.8)

INSTRUCTIONS

- ✓ The question paper consists of two sections. Questions 1 and 4 are compulsory.
- ✓ 3 other questions have to be attempted selecting at least 1 question from each section.
- ✓ Questions **MUST** be answered in the sequence given in the paper.
- ✓ Stick to the word limit where specified.

SECTION A

1. **Answer the following in 200 words each. 2x20=40**
 - a. Immunogenetics
 - b. Oncogenes
2. a. What is Race criteria? Bring about the biological basis of Racial Classification. **(25 marks)**
b. Major nutritional disorders in Central Indian Tribes **(15 marks)**
3. a. Ecological Anthropology **(20 marks)**
b. Hybrid DNA **(10 marks)**
c. Pedigree analysis **(10 marks)**
4. a. Natural selection **(10 marks)**
b. Genome mapping and Screening **(15 marks)**
c. Man's physiological responses to high altitude environment **(15 marks)**

SECTION B

5. **Answer the following in 200 words each. 2x20=40**
 - a. Methods of diagnosis of twins
 - b. World races
6. a. Sex chromosomal Aberrations **(20 marks)**
b. Nutritional stress **(20 marks)**
7. a. Genetic markers and their utility **(20 marks)**
b. Factors involved in Race formation in man **(10 marks)**
c. Genetic drift **(10 marks)**
8. a. Foster child method **(10 marks)**
b. Bring out the arguments related to genetic affects of consanguineous marriages **(15 marks)**
c. Social concept of disease **(15 marks)**