



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 3rd Semester Examination, 2020, held in 2021

ANTACOR07T-ANTHROPOLOGY (CC7)

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.*

1. Answer any **two** questions from the following: (within 800-1000 words each) 10×2 = 20
 - (a) What do you mean by mutation? Describe in brief about different types of mutation. 2+8
 - (b) Discuss about the different biocultural factors influencing nutritional status of population. 10
 - (c) Define race. Briefly describe the racial classification of Indian population by B. S. Guha. 2+8
 - (d) Describe the inheritance of ABO blood group and Rh blood group as multiple allelism. 10

2. Answer any **two** questions from the following: (within 300-400 words each) 5×2 = 10
 - (a) Discuss about fertility rate and mortality rate.
 - (b) Write a short note on penetrance and expressivity.
 - (c) Discuss in short about the UNESCO statement on race.
 - (d) Write a brief note on Modern concept of population.

3. Answer any **five** questions from the following: (within 25-30 words each) 1×5 = 5
 - (a) What is cline?
 - (b) Name two sources of demographic data.
 - (c) What is malnutrition?
 - (d) What is modifying gene?
 - (e) What is recombination?
 - (f) Define health.
 - (g) What is intrapopulation variation?

4. Answer the following questions by choosing the correct option:
- (a) The traits that affect population growth are
- (i) Fecundity and mortality (ii) Age structure and fecundity
(iii) Birth rates and sex ratio (iv) All of these
- (b) Erythroblastosis foetalis is caused due to
- (i) Sex-chromosomal abnormalities (ii) Autosomal abnormality
(iii) Blood group incompatibility (iv) Mutation
- (c) Woolly hair is found in
- (i) Caucasoid (ii) Mongoloid (iii) Negroid (iv) All of them
- (d) Expression of one gene, affected by expression of one and more independently inherited gene is an example of
- (i) Linkage (ii) Crossing over (iii) Mutation (iv) Epistasis
- (e) Swapping of genetic materials between non-sister chromatids occurring during meiosis is called
- (i) Polymorphism (ii) Multiple allelism
(iii) Crossing over (iv) None of these

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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