

This question paper contains 1 printed page

Your Roll No. ....

Sl. No. : 5622

F

Unique Paper Code : 215503

Paper : ANTH 515 Biological Diversity in Human Populations

Course : B.Sc. Anthropology

Semester : V

Time : 3 hours

Max. Marks : 75

**Attempt any five questions.**  
**All questions carry equal marks.**

1. Describe sources of genetic variation giving examples from human populations.
2. What are the three major racial divisions of mankind? Give the classification, physical features and distribution of Negroids.
3. What are the basic assumptions of Hardy-Weinberg law? Discuss its applicability and usefulness in human populations. Will it hold in relatively small populations?
4. Discuss the concept of polymorphism using examples of major human G6PD variants.
5. "Race is a biological reality and the ethnic group a cultural construct". Do you agree with the statement? Discuss the relevance of racial classifications in present context.
6. Giving suitable examples, explain how the cultural factors influence human biological variation.
7. Discuss the racial elements of Indian populations as suggested by Guha. How his classification was an improvement of that given by Risley?
8. What do you understand by racial criteria? Describe various biological criteria for racial classification.
9. Write **short notes** on any *two* of the following:
  - a. PTC tasting ability
  - b. Sickle cell trait
  - c. Shifting balance theory
  - d. Finger ball pattern types