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Roll No. ....

Sr. No. of Question Paper: 5902

D

Unique Paper Code: 215503

Name of the Paper: ANTH 515 (Biological Diversity in Human Populations)

Name of the Course: B. Sc. (Hons) Anthropology

Semester: V

Max. Time: 3 Hrs.

Max. Marks: 75

(Write your Roll No. on the top immediately on receipt of this question paper.)

*Answer 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 tenets of Hardy-Weinberg Law? Discuss its applicability and usefulness in human population and clinical genetics.
4. Discuss the concept of polymorphism using examples of major hemoglobin variants (S, C and E).
5. "Race is a biological reality and the ethnic group a cultural construct". Do you agree with the statement? Justify the usefulness of racial classifications.
6. Explain how do cultural factors influence human biological variation?
7. Give an account of the racial elements in India as per B.S. Guha's classification. How this classification is an improvement on 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. Phosphoglucomutase (PGM)
  - b. Transferrins
  - c. Shifting Balance Theory
  - d. mtDNA