

M.A./M.Sc. Examination, 2016

Semester – I

Anthropology

Paper – IV

(Genetics and Population Biology)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer question No. 7 and any three from the rest

1. What is heritability? Briefly discuss the available methods to measure heritability in man? 3+3.5+3.5=10
 2. What is inborn error of metabolism? Illustrate your answer with examples in man. 3+3.5+3.5=10
 3. Differentiate balanced from transient polymorphism; Demonstrate your answer with concrete examples in man. 3+7=10
 4. What do you understand by sex-linked modes of inheritance in man? Illustrate your answer with concrete examples in man. Differentiate with example the sex-limited trait from sex-influenced trait in human. 6+4=10
 5. What are the methods often used to study normal growth and development in man? Discuss about the factor(s) influenced postnatal growth and development in man. 4+6=10
 6. What do you understand by racial criteria? Discuss the racial classification of Indian population according to B.S.Guha. 2+8=10
 6. Write short notes on **any two** of the following: 5+5=10
 - a) Lethal and sub-lethal genes
 - b) Secular trend
 - c) Mendelism
 - d) Adolescence
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