

M.A/M.Sc. Examination, 2018
Semester-I
Anthropology
Course : 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 methods to estimate heritability in man? 2+8=10
 2. What do you understand by inborn error of metabolism? Exemplify your answer with examples in man. 3+7=10
 3. 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. 5+5=10
 4. What is mutation? Briefly discuss the types of mutation in man. What is mutagen? 2+4+4=10
 5. Illustrate the stages in postnatal growth and development in man? Briefly discuss on factors responsible for normal growth and development. 5+5=10
 6. What do you understand by racial criteria? Discuss the racial classification of Indian population according to B. S. Guha. 2+8=10
 7. Write short notes on **any two** of the following : 5+5=10
 - a) Natural selection
 - b) Secular trend
 - c) Denver system
 - d) Methods in growth study
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