

[This question paper contains 2 printed pages]

5750

Your Roll No

B.Sc. (Hons.) / III

J

ANTHROPOLOGY

Paper VI – Human Genetics

(Admissions of 2004 and onwards)

Time 3 Hours

Maximum Marks 45

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

Attempt any five questions

All questions carry equal marks

- 1 Explain genetic variations at the molecular level giving suitable examples
- 2 Elaborate on the incidence, causes and characteristics of Turner's syndrome and Klinefelter's syndrome
- 3 Discuss the concept of genetic polymorphisms with special reference to DNA markers
- 4 Give an account of Normal Human Karyotype and Chromosome Banding under fluorescent staining techniques

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- 5 Give an outline of the peopling of India, with reference to genomic diversity
- 6 Illustrate on the applications of measures of central tendency and dispersion in human genetics.
- 7 Write a detailed note on the behavioural genetics of intelligence
- 8 Describe the complicating factors in human genetics with respect to late age of onset and variable expressivity
- 9 Write short notes on any two of the following –
 - (a) Skewness
 - (b) Variable
 - (c) Linkage
 - (d) Co-dominance