

*This question paper contains 2 printed pages.*

5826

Your Roll No. ....

**B.Sc. (H) Anthropology / III Sem. B**

Paper— ANTH-308

(Human Genetics)

(Admissions of 2010 and onwards)

Time : 3 hours

Maximum Marks : 75

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

*Attempt any five questions.*

*All questions carry equal marks.*

1. Give a detailed account of a human chromosome with special reference to its structure and identification.
2. Explain major numerical chromosomal abnormalities with examples.
3. Write an essay on DNA structure.
4. Explain the process from gene to protein.
5. Explain Dominant and Recessive mode of inheritance with suitable examples.

P. T. O.

6. What do you understand by Genetic Polymorphism?  
Explain with a suitable example.

7. Give a detailed account of electrophoresis.

8. What are the various methods of studying heredity?  
Explain any *one* of them in detail.

9. Write short notes on any *two* of the following:

- (a) Genetic Counselling
- (b) Uniparental Disomy
- (c) Extra nuclear inheritance
- (d) Klinefelter's Syndrome.