

**M.A./M.Sc. Examination, 2015**  
**Semester-IV**  
**Anthropology**  
**Paper – XXVI**  
**(Biochemical Genetics)**

**Time: 3 Hours**

**Full Marks: 40**

*Questions are of value as indicated in the margin.*

Answer Question No. 6 and **any three** from the rest.

1. What is compatible and incompatible mating? Discuss briefly about PGM. 4+6=10
  2. Briefly discuss the structure and function of hemoglobin. 10
  3. What is RFLPs. Briefly discuss the techniques of PCR. 5+5=10
  4. What is HLA? Briefly discuss the structure and function of HLA. 2+8=10
  5. Briefly discuss the structure of an immunoglobulin. Compare major characteristics of different human immunoglobulin. 5+5=10
  6. Write short notes on **any two** of the following: 5+5=10
    - (a) Tf
    - (b) mt DNA
    - (c) Crude birth rate
    - (d) Karyotyping
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