

**2016**

**M.Sc.**

**1st Semester Examination**

**ANTHROPOLOGY**

**PAPER—ANT-102**

*Full Marks : 40*

*Time : 2 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

**Answer Q. No. 1 and any three questions from the rest.**

**1. Answer five questions from the following : 5×2**

- (a) Define polymorphism.
- (b) Write the difference between genome and gene pool.
- (c) Write the full form of PCR and RFLP.
- (d) What is Y-5 pattern ?
- (e) Write the law of independent assortment of Mendel.
- (f) Define Primate as given by Mivart.

*(Turn Over)*

- (g) Write the scientific name of Langur and Orangutan.
- (h) What is hybridization ?
2. Mention phylogenetic position and characteristic features of *Homo erectus*. 2+8
  3. Write the utility of forensic anthropology in human welfare. 10
  4. What are MZ and DZ twins ? Describe twin genetics as a method of biological anthropology. 2+8
  5. Write the inheritance pattern of a common sex-linked recessive trait with a suitable pedigree. 10
  6. Discuss the theory of evolution proposed by Darwin. Write the limitations of his theory. 8+2
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