

**2017****M.Sc.****1st Semester Examination****ANTHROPOLOGY****PAPER—ANT-102****Subject Code—20***Full Marks : 50**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 any *five* questions from the following : 5×2

- (a) Define 'race'
- (b) Define Forensic Anthropology.
- (c) What do you mean by Formal genetics ?
- (d) What is somatotyping ?
- (e) What is electrophoresis ?

*(Turn Over)*

- (f) What do you mean by twin study ?
- (g) What is crossing over ?
- (h) Define Mutation ?
2. Briefly discuss the synthetic theory of evolution. 10
3. Discuss briefly the inheritance pattern of a common autosomal dominant and a recessive trait in man with suitable pedigrees. 5+5
4. Write a brief note on man's place in the animal kingdom. 10
5. Define adaptation. Discuss with suitable example human physiological responses to cold. 2+8
6. Write a short note on morphological features and phylogenetic position of *Homo Neanderthalensis*. 6+4

**[Internal Assessment—10 Marks]**

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