M.Sc. 4th Semester Examination 2014

ANTHROPOLOGY

(Bio/Socio)

PAPER – ANT-401

Full Marks : 50

Time : 2 hours

The figures in the right hand margin indicate marks

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

Illustrate the answers wherever necessary

(Bio)

Answer Q.No.1 and three from the rest

1. Answer any five of the following : 2 x 5
   (a) Write the full form of SNP and RFLP.

(Turn Over)
(b) Define balanced polymorphism.

(c) Define inbreeding coefficient.

(d) What do you mean by gene flow?

(e) Define point mutation.

(f) What is heterozygosis?

(g) Define selfing.

(h) What is founder effect?

2. What could be the effect of inbreeding in a population? Calculate the inbreeding coefficient of full sib and half sib mating with suitable pedigrees.

3. Discuss the types of mutation. Differentiate mutation from genetic drift.

4. Describe stepping stone and diffusion models of isolation.
5. Explain with suitable examples the utility of molecular genetics in biological anthropological research. Briefly describe the concept of genome.  

6. What are the assumptions of Hardy-Weinberg principle? Briefly discuss the applications of Hardy-Weinberg principle. In a sample of 146 individuals who were typed for PTC tasting ability, 105 were tasters and 41 were non-tasters. What are the frequencies of allele 'T' and 't'?  

[Internal Assessment: 10 Marks]

(Socio)

Q.No.1 is compulsory and answer **three** questions from the rest.

1. Answer any **five** questions of the following:  

   (a) Distinguish between rationalist and anti-intellectual theories in social-cultural Anthropology.
(b) Mention the four varieties of social evolutionism in social-cultural Anthropology.

(c) Distinguish between classificatory and descriptive types of kinship terminology.

(d) Differentiate, societies characterised by 'status' and 'contract'.

(e) Draw a schematic diagram of the structure of a social institution as proposed by B. Malinowski.

(f) Define 'Historical particularism' in the context of culture.

(g) Name two exponents of 'Neo-evolutionism'.

(h) What is 'Differential evolution'?

2. Mention the different intellectual sources of Julian Steward's idea of cultural ecology. Discuss briefly about the concept of culture core as developed by steward. 6 + 4


PG/IVS/ANT-401/14 (Continued)
4. Discuss briefly about the contributions of L.A. White in social-cultural Anthropology.

5. Following Margaret Mead, examine the relationship between culture and personality.

6. Comment on Edward Evans-Pritchard's line of approach advocating social history as a model of social anthropology.

[Internal Assessment : 10 Marks ]