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3 (Sem-3/CBCS) ANT HC 3

2022

ANTHROPOLOGY

(Honours)

Paper : ANT-HC-3036



(Biological Diversity in Human Population)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Answer **any seven** of the following questions : 1×7=7

(a) In _____ book did H. H. Risley first publish his findings of racial composition on the Indian population.
(Fill in the blank)

(b) _____ propounded the 'Mutation Theory'.
(Fill in the blank)

- (c) Indonesian type of Mongoloid is also known as _____. (Fill in the blank)
- (d) People of 'O' blood group are known as _____. (Fill in the blank)
- (e) _____ is the scientific discipline that studies ageing processes in human. (Fill in the blank)
- (f) Selection of a mate without regard to the genotype of the mate is known as _____. (Fill in the blank)
- (g) Black-skinned people are also known as _____. (Fill in the blank)
- (h) Nasal index may be calculated from the formula _____. (Fill in the blank)
- (i) Gradual diffusion of genes from one population to another by migration is called _____. (Fill in the blank)
- (j) The single-base substitution in the DNA code is known as _____. (Fill in the blank)
- (k) Hindi written in _____ script is the official language in India. (Fill in the blank)
- (l) _____ is considered as the oldest inhabitant of India. (Fill in the blank)

2. Give short answer to the following questions :
(any four) : 2×4=8

- (a) What is genetic polymorphism ?
- (b) Write any two causes of migration.
- (c) What is age specific fertility rate ?
- (d) Name the two main types of mutation.
- (e) What is epicanthic fold ? In which race is it observed ?
- (f) What is the difference between fertility and fecundity ?
- (g) What are the dermatoglyphic patterns of the finger ?
- (h) What is steatopygia ?

3. Write short notes on : (any three) 5×3=15

- (a) Biological variability
- (b) Concept of human race
- (c) Genetic drift
- (d) Decadal census in India
- (e) ABO blood group gene distribution in Indian population
- (f) Demographic Anthropology
- (g) Sex ratio in Indian population
- (h) UNESCO's statement on race

4. Answer **any three** of the following questions : $10 \times 3 = 30$

(a) What do you mean by genetic variation? Discuss natural selection as sources of genetic variation. $2+8=10$

(b) Name the different blood groups under ABO system. State the reasons why blood group analysis is considered to be the most reliable racial criteria. $2+8=10$

(c) Write an essay on Civil Registration System as a major source of demographic data in India.

(d) Give a brief account of the racial elements of North-East India with special reference to Assam.

(e) Give a critical analysis of S. S. Sarkar's classification (1961) of ethnic elements in the Indian population.

(f) Discuss about the Negroid race, their physical characters and geographical distribution. $2+4+4=10$

(g) Discuss briefly the Pre and Proto historic racial elements in India.

(h) Write an essay on demographic profile of Indian population.