

2013

M.Sc.

3rd Semester Examination

ANTHROPOLOGY

PAPER—ANT-304

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.

Illustrate the answers wherever necessary.

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

1. Answers any five from the following : 5×2
- (a) What is meant by Fat Man Index (FMI) ?
 - (b) What is meant Fat Free Man Index (FFMI) ?
 - (c) Define stunting.
 - (d) What is meant by Prevent Body Fat (PBF) ?
 - (e) What is WHR ?
 - (f) What is WHTR ?
 - (g) What is C.I ?
 - (h) What are the cut-off points of MUAC ?

(Turn Over)

2. (a) In three tribal populations, the prevalence of adult (E1) are given below :

	TRIBE1		TRIBE2		TRIBE3	
	M	F	M	F	M	F
Prevalence of (E1)	26.1	41.3	19.6	24.1	31.2	36.4

M = MALE

F = FEMALE

All figures indicate percentages. Comment on the health problem of under nutrition in these populations. 5

- (b) In the same populations, the prevalence of stunting, underweight and wasting among pre-school children are given below :

	TRIBE1		TRIBE2		TRIBE3	
	B	G	B	G	B	G
Stunting	31.8	24.6	46.1	61.3	31.6	34.6
Underweight	13.9	18.9	24.9	36.1	16.5	15.6
Wasting	6.1	9.2	13.1	14.3	12.6	15.2

B = Boys

G = Girls

Comment on the health problem of these children on the basis of their nutritional status.

5.

3. A boy has a height of 123.4 cm. He weight 34.6 kg. The medium values of height and weight of the reference population are 131.3 cm and 36.3 kg, respectively. The corresponding standard deviation are 3.2 cm and 1.4 kg, respectively. Evaluate his nutritional status based on

(a) Weight;

(b) Height.

5+5

4. Discuss in details the sources, utility and toxicity of fat soluble vitamins.

10

5. What are the different methods used to study human body composition. Discuss their advantages and limitations.

4+6

6. Discuss the different methods of studying dietary intake alongwith the advantages and limitations.

10