

2019

M.Phil.

2nd Semester Examination

**ANTHROPOLOGY**

Paper - ANT 124 (BIO)

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.  
Illustrate the answers wherever necessary.*

1. Answer *four* questions from the following :

- (a) What are the factors that determine age at menarche ? 5
- (b) How the following variables are estimated : 5
- (i) PBF
  - (ii) FM
  - (iii) FFM

*[ Turn Over ]*

- (c) How body composition can be estimated using non invasive method ? 5
- (d) Anthropometric traits can be used to estimate nutritional status. Illustrate. 5
- (e) Elucidate the concept of secular trend in human growth. 5
- (f) What are the cut-off points of
- (a) PBF
  - (b) Conicity Index
  - (c) Waist Height Ratio
  - (d) Waist Hip Ratio
  - (e) MUAC
- (g) Outline the different methods (including advantages and limitations) of evaluating dietary intake. 5
- (h) A boy has a height of 134.2 cm. The mean and standard deviation values of height in the reference population are 138.9 cm and 1.2 cm, respectively. Is the boy stunted ?

Show all your workings clearly.

2. Answer *two* questions from the following :

- (a) Discuss in details the genetic factors affecting human growth. 10
  - (b) Differentiate (stating the advantages and limitations) between cross sectional and longitudinal growth studies. 10
  - (c) Write briefly on the socio cultural factors that affect post natal growth. 10
  - (d) 'Birth Weight' is the reflection of prenatal growth — illustrate. 10
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