

M.Sc. 3rd Semester Examination, 2012

ANTHROPOLOGY

PAPER—ANT-302

Full Marks : 40

Time : 2 hours

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

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

1. Answer any five questions : 2 × 5
- (a) What is work participation rate ?
 - (b) What is population growth ?
 - (c) What do you mean by the mean height of a population 112 ± 1.3 cm ?
 - (d) What is skewness ?
 - (e) What is rate of natural increase ?

- (f) Define Census.
- (g) What is z-score ?
- (h) When ANOVA is used ?
2. (a) How demography is different from Anthropological demography ?
- (b) What is population pyramid ? What information one can get from population pyramid ? 5 + 5
3. (a) Define probability sampling and neo-natal mortality.
- (b) The mean haemoglobin content of 500 adult women is 10.5 ± 0.9 mg/dl and that of 600 adult males is 11.6 ± 1.1 mg/dl. Can we conclude that women have lower haemoglobin level than males ?
 $2\frac{1}{2} + 2\frac{1}{2} + 5$
4. What are the major distinguishing demographic characteristics of underdeveloped, developing and developed countries ? Illustrate with population pyramids. What is population equation ? 3 + 3 + 3 + 1

5. The mean height of 500 adult males in a population is 152.2 cm and SD is 2.34 cm. 5 + 5
- (a) What is the chance that there will be some individuals who are above 160 cm in ht ?
- (b) What percentage of these individuals will have a height above 162 cm ?
6. What is hypothesis testing in statistics ? Why student's t-test, correlation and regression analyses are done in statistics (Give examples). Illustrate a case of multivariate ANOVA. 2 + 2 + 2 + 4
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