

2016

M.Sc.

3rd Semester Examination

ANTHROPOLOGY

PAPER—ANT-302

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. Answer any five of the following questions : 5×2**
- (a) What is population pyramid ?
 - (b) What is migration ?
 - (c) Define IMR.
 - (d) What is type I errors in hypothesis testing ?

(Turn Over)

- (e) Mention two features which characterise a normal distribution.
- (f) Define standard errors.
- (g) Distinguish between stable and stationary populations.
- (h) What is expected frequency?
2. Define fertility. Write a brief note on factors affecting fertility. 2+8
3. Distinguish between rates and ratios. Write brief note on CWR, CBR, TFR and ASFR. 2+8
4. Briefly describe Malthusian theory of population explosion. State two criticisms of the Malthusian Theory on population. 8+2
5. (a) Briefly discuss the characteristic features and usefulness of Census.
- (b) Find the proportion of a normal distribution that is located between the Z-score boundaries listed below.

(i) Between $Z = -1.96$ and $Z = +1.96$.

(ii) Between $Z = -1.00$ and $Z = +1.00$.

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6. (a) Briefly describe the Demographic Transition Theory.

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(b) A population is normally distributed with $\mu = 100$ and $\sigma = 20$. Find the Z score corresponding each of the following samples.

Sample 1 : $n = 4$ $\bar{X} = 110$

Sample 2 : $n = 25$, $\bar{X} = 100$.

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