

**M.Sc. 3rd Semester Examination, 2018**

**ANTHROPOLOGY**

**PAPER –ANT-302**

*Full Marks : 50*

*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 from the following : 2 × 5
- (a) Define fecundibility.
  - (b) State the difference between rate and ratio.
  - (c) State the objectives of demography.
  - (d) Give the formula of dependency ratio.

( Turn Over )

- (e) What is variable ?
- (f) Write the formula of standard error.
- (g) What do you mean by continuous and discrete variable ?
- (h) Give the formula of crude birth Rate.
2. Discuss the role of fertility in demographic process. 10
3. Critically assess the Malthusian theory of population explosion. 10
4. Discuss role of various demographic and non-demographic variables in population change. 10
5. Mention the criteria for choosing chi-square test :  
A student investigated whether taking Vitamin-C tablets everyday for a school term affected people's chances of getting cold during the period. The results are shown below :

( 3 )

	Vitamin - C tablet taken	Vitamin - C tablet not taken
Got a cold during the term	19	28
Did not get a cold during the term	121	112

Does vitamin-C affect the chance of catching a cold ?

3 + 7

6. What do you mean by Type-I error ? Suppose height and weight of a boy are 132.6 cm and 42.5 kg respectively ? Whereas means (standard deviation) of height and weight of the same aged boys of his community are 122.9 cm(5.3 cm) and 35.5 kg(3.3 kg). Use z-score to measure his nutritional status.

2 + 8

[ *Internal Assessment* : 10 Marks ]

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