

2018**M.Sc. 2nd Semester Examination****ANTHROPOLOGY****PAPER—ANT-202****Subject Code—20****Full Marks : 50****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.

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

1. Answer five questions :

5×2

- (a) What is a discrete variable ?
- (b) What is meant by dispersion ?
- (c) What is a nominal number ?
- (d) What is the multiplication rule of probability ?
- (e) What is an ordinal number ?
- (f) What is a qualitative variable ?
- (g) What is a normal distribution ?

(Turn Over)

(h) Differentiate between descriptive and inferential statistics.

2. What is Z-score. The mean and standard deviation of reference children are 132.4 cm. and 2.9 cm. respectively. A girl has a height of 119.3 cm. What is her Z-score ? Briefly discuss the importance of z-score in Anthropological research. 2+5+3
3. Differentiate between percentage and percentile with the help of a suitable diagram. 10
4. Differentiate between the 3 measures of central tendency using hypothetical data. 10
5. Differentiate between skewness and kurtosis using appropriate diagrams. 10
6. Calculate the standard deviation and variance of the following data :

167.1	167.8	169.3	170.2	181.1
168.6	161.9	170.0	180.0	181.1
167.6	176.1	171.6	179.2	171.1
176.6	173.4	173.4	174.3	175.8
186.0	179.1	171.2	171.3	171.4
171.6	172.3	173.1	166.6	165.5
161.2	162.1	166.9	166.8	168.6

Show all your workings clearly.

8+2

[Internal Assessment — 10 Marks]