

# Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - APRIL 2017

[Time: 3 Hours]

[Max. Marks: 40]

**Statistics (RS3 & RS4)**

**Q.P. CODE: 9634**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

(Note: Both QP codes 9633 and 9634 should be, completed within the total duration of three hours)

Use separate answer books for 9633 and 9634

**ANSWER THE FOLLOWING**

**2 X 15 = 30 Marks**

1. a) When do we use t-test in research? (5+10 = 15 Marks)  
b) Calculate t-value for the following group and find out its significance.

Group	n	Mean	SD
Boys	100	25	1.8
Girls	100	38	2.0

(t = 2.61 at 0.01 level)

2. Explain the measures of central tendency in detail with examples.

**SHORT NOTES (Answer any ONE)**

**1 X 10 = 10 Marks**

3. Randomized block design
4. Mann Whitney's "U" test

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