

**Rajiv Gandhi University of Health Sciences****First Year M. Sc. (Nursing) Degree Examination - OCT-2019**

[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. Explain various sources and methods of collection and recording of vital and health statistics.
2. a) Mention the advantages and disadvantages of non-parametric tests. (5+10 = 15 Marks)  
b) In a study conducted at regional cancer center, to find out the association between the marital status and incidence of breast cancer, the following results were obtained. Test statistically to see whether the association between the marital status and incidence of breast cancer is significant (table value is 3.84)

Marital status	Breast cancer		Total
	Present	Absent	
Married	20	20	40
Unmarried	40	20	60
Total	60	40	100

**SHORT NOTES (Answer any ONE)****1 X 10 = 10 Marks**

3. Enumerate the properties of a normal probability curve.
4. Explain scatter diagram method.

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