



[Time: 3 Hours]

[Max. Marks: 40]

Statistics
(RS-3 & RS-4)
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. Assumptions for the applicability of Chi-square test. (5+10=15)
- b. In a study on a particular drug against the urinary stones, there was some association noted between the type of urinary stone identified and cure rate. Test statistically using Chi-square test to see whether the association observed is significant. (df 2= 5.99 at 5% level)

Type of Urinary stone	No. cured	No. not cured
Oxylate	10	10
Phosphate	10	20
Other types	20	30

2. a. Explain the measures of variability in detail with examples.
- b. Describe normal probability curve. (10+5=15)

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

3. Descriptive and inferential statistics.
4. Test-retest method of reliability.

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