

35143(OR)

M.Sc., DEGREE EXAMINATION, NOVEMBER 2016

THIRD SEMESTER

PSYCHOLOGY

Paper – III BASICS IN STATISTICS & RESEARCH METHODOLOGY

(No additional sheet will be supplied)

Time: 3 hours

Max. Marks: 75

**PART-A** (5 x 3 = 15 marks)

Answer any FIVE questions

Each question carries Three (3) marks

Each answer should not exceed One (1) page

1. Psychological Research
2. Applied Research
3. Independent Variable
4. Hypothesis
5. Central Tendency
6. Cumulative Frequency Curve
7. Stanines
8. Non parametric Test.

**PART-B** (4 x 15 = 60 marks)

Answer ALL questions

Each question carries Fifteen (15) marks

Each answer should not exceed Six (6) pages

9. What is Science? Discuss its aims and functions.  
(OR)
10. Discuss various Research Methods.
11. Define Problem and discuss different types of research problems?  
(OR)
12. Write about the nature and types of hypotheses?
13. Calculate the mean, median and mode for the following frequency distribution.

Class intervals	f
90 -94	2
85 - 89	2
80 - 84	4
75 - 79	8
70 - 74	6
65 - 69	11
60 - 64	9
55 - 59	7
50 - 54	5
45 - 49	0
40 - 44	2

(OR)

14. What is Normal Probability Curve and write its application in Research.
15. What is Variability? Write any two methods of variability?  
(OR)
16. Discuss about Mann – whitney 'U' test.

