

2015

M.A.

2nd Semester Examination

**RESEARCH METHODS AND RESEARCH STATISTICS
(LEVEL-II)**

PAPER—PED-202

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

UNIT — I

1. Write the scope of questionnaire as a research tool. Discuss the procedure of administering of questionnaire for obtaining research data.

Or

Indicate the advantages and limitations of Interview as a research tool. Explain how should an interview be conducted for obtaining better results.

(Turn Over)

UNIT — II

2. What is research design? Explain different research designs used in Physical education.

Or

What is research report? Explain different parts of a research report generally considered in Physical education.

UNIT — III

3. Explain different types of Correlation. How can two variables regression equation be formed? What is regression co-efficient. 4+4+2

Or

What is co-efficient of correlation? Calculate the co-efficient of correlation between 2 sets of data given below : 2+8

Set-I	Set-II
1	2
3	5
4	1
7	9
6	6
9	8
8	7
2	4
5	3

UNIT — IV

4. Write short notes on any *two* of the following : 5+5
- (a) Type-I and Type-II error.
- (b) Chi-Square test.
- (c) ANOVA.

Or

What is Null hypothesis ? Calculate the value of 't' with following information for testing null hypothesis between Experimental and Control groups : 4+6

	<i>Experimental</i>	<i>Control</i>
No. of Scores (n)	32	34
Mean value (M)	87.43	82.58
Standard deviation (σ)	6.3	6.4
