

Serial No. 1151

M.P.Ed. 2 yr.

Roll No.....

II Sem May, 2018

MASTER OF PHYSICAL EDUCATION

(M.P.Ed.) SEMESTER-II-2018

Paper: MPE-801: Research Process and Statistical Techniques in Physical Education

Time: 3 Hrs.

Maximum Marks: 75

(Write your Roll No. on the top right side immediately on receipt of this question paper)

Note: Attempt any FIVE questions. All question carry equal marks. Calculator without scientific configuration only allowed.

Q. 1. What is an Experimental Design? Explain any four experimental design with suitable examples. 15

Q.2. Explain the threats to Internal Validity in detail. 15

Q.3. Explain various types of psychological research studies and research in exercise and sports Physiology in detail. 15

Q.4. What is a Normal Curve? Explain the principles of normal curve. 15

Q.5. A Physical Educator Teaching exercise classes for adult women wishes to determine whether individual in the class who have been consistently involved in vigorous physical activity over many years differ in their percent body fat from a group of women who have been sedentary. Use Independent 't' Test to determine the significant difference [Tab t.05 (9) = 2.10] 15

S.No.	Percent Body Fat Sedentary	Percent Body Fat Active
1.	28	15
2.	32	20
3.	40	10
4.	35	23
5.	18	09
6.	25	17
7.	33	12
8.	30	16
9.	37	15
10.	28	21

Q.6. Following are the scores obtained in English and Psychology by the 10 randomly chosen students of a college. Compute correlation coefficient and infer your result. 15

English Score(X) :	20	16	18	12	14	8	11	10	9	13
Psychology Score (Y):	22	12	11	10	16	5	12	15	11	12

Q.7. Following are the number of Baskets scored in a basketball set shot test by the subjects of different levels of achievement. Apply appropriate statistics to find out if there is any significant difference among the three groups (Tabulated value of F at 0.05 level (2, 27) =3.35) and infer your result.

15

College Level :	2	5	4	5	3	4	1	3	0
State Level :	3	4	2	5	6	4	5	7	2
National Level :	4	6	5	7	8	5	3	5	6

Q.8. Write short notes on any two of the following:

(7.5x2=15)

- (a) Threats to external validity
- (b) Use of Illustrative material
- (c) Organization of thesis Report.