

**MASTER OF PHYSICAL EDUCATION
(M.P.Ed.) SEMESTER- II, May - 2017
Paper: MPE-0801**

*M.P. Ed.
Sem. II
May / 17*

(Research Process and Statistical Techniques in Physical Education)

Maximum Marks: 75

Time: 03 Hours.

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

Note: Attempt any FIVE questions. All questions carry equal marks.

1. What do you understand by experimental control? Explain the characteristics of experimental research. (15)
2. Describe the role of research in the sports and exercise sciences. (15)
3. Elaborate the considerations in writing report and abstract. Describe the process of formulating and submitting research proposal. (15)
4. Explain the theory of Binomial Expansion with suitable example. Describe meaning and principles of normal curve. (15)
5. Elaborate the importance of scales in research in physical education? Prepare t-scale, z scale, six sigma scale and hull scale. (15)
6. Calculate ANOVA from following data. (15)

Cricket	Basketball	Hockey
85 Kg	75 Kg	77 Kg
82 Kg	69 Kg	70 Kg
76 Kg	73 Kg	67 Kg
84 Kg	71 Kg	71 Kg
86 Kg	76 Kg	67 Kg

7. Enlist various relationship statistical techniques with their usage in research in Physical Education. (15)
8. Write the importance of comparative statistics in Physical Education. Calculate independent t-test from following data: (15)

LONG JUMPER
Height (in cm.)

180
186
178
183
171
189
168
176

HIGH JUMPER
Height (in cm.)

185
184
181
189
179
188
182
184