

**OPEN BOOK EXAMINATION SCHEME 2020
MASTER OF PHYSICAL EDUCATION
M.P.Ed. Sem. I MARCH 2021**

PAPER MPE -0701

**RESEARCH PROCESS AND STATISTICAL TECHNIQUES IN
PHYSICAL EDUCATION**

Instruction for students:

- a) Attempt any **FOUR QUESTIONS**. All questions carry equal marks.
- b) The duration of question paper is of **4 hours duration out of which** the student is provided with **3 hours for answering** the question paper and **1 hour is given for** downloading the question paper, scanning the answer sheet in PDF format and uploading the scanned PDF of the answer sheet on the portal.

Maximum Marks: 75

Q.1 What do you understand by identifying a research problem? Describe the criteria of selecting a research problem.

Q.2 Define Philosophical Research. Describe Inductive and Deductive Reasoning in Philosophical Research.

Q.3 Elaborate the major resources in literature search with suitable examples.

Q.4 Calculate Median from following raw data and class interval:

23, 45, 01, 34, 65, 43, 88, 36, 37, 99, 36, 76, 28, 47, 78, 25, 87, 76, 55, 52, 98, 03, 43, 76, 28, 47, 45, 09, 34, 88, 36, 37, 37, 95, 36, 76, 47, 78, 25, 87, 65, 43, 88, 36, 52, 98, 10, 43, 76, 55, 76, 28, 47, 45, 09, 34, 88, 36, 37, 95, 36, 76, 47, 78, 78, 25, 87, 76, 55, 52

Class Interval

0 – 10

10 – 20

20 – 30

30 – 40

40 – 50

50 – 60

60 – 70

70 – 80

80 – 90

90 – 100

Q.5 Calculate P_{75} from above given data.

Q.6 Calculate Chi Square from following data:

30	48	59
32	61	48
28	32	57
34	59	42