

Pre. Ph.D. Course Work (2017 Course) : SUMMER - 2018
(Physical Education)

SUBJECT: - Paper-I research Methodology & ICT for research (Physical Education)

Day: **Monday**
Date: **25/06/2018**

S-2018-4737

Time: **10.00 AM TO 01.00 PM**
Max. Marks: 100

N.B.

- 1) Attempt all questions
- 2) Figures to the right indicate **FULL** marks.
- 3) All question carry equal marks.

Q.1 Define research with quotations from renowned researchers. What is the aim of research and its philosophy? Write the characteristics of a good research in physical education? **(20)**

OR

Make a list of different types of research. Explicitly discuss the nature and characteristics of a good research.

Q.2 Describe any two types of true experimental research designs with examples from physical education. **(20)**

OR

What are the differences between basic, applied and action researches with reference to physical education?

Q.3 Write a model research proposal in physical education for a research project with grant-in-aid. **(20)**

OR

How would you select a good research problem? Write the criteria of a good research problem in physical education and sports. Explain meaning and types of research hypothesis.

Q.4 Explain in details about reliability and validity and their types applicable in research. **(20)**

OR

What are the differences between population and sampling? Explain in details about different types of sampling designs.

Q.5 Write a model research format for writing a report of an experimental research with reference to physical education and sports. **(20)**

OR

Discuss the contents and mechanics of writing different chapters of a thesis / dissertation. Explain the differences between footnotes, references and bibliography with suitable examples.

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