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**Question Paper Code: 52902**

Ph.D. COURSE WORK EXAMINATION, NOV 2016

Elective

Technology

15PPH113 - RESEARCH METHODOLOGY

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

(5 x 20 = 100 Marks)

1. (a) What are the factors involved in research design, explain in detail . (20)

Or

(b) Discuss in details Qualitative and Quantitative Research techniques. (20)

2. (a) List the factors affecting the internal and external experimental design and discuss in details. (20)

Or

(b) Explain in detail about measurement and scales. (20)

3. (a) Describe a situation where you would consider the use of cluster sampling. (20)

Or

(b) What is meant by testing of hypothesis? Draw a flow chart for executing hypothesis testing procedure with suitable examples. (20)

4. (a) Derive an expression for correlation and regression with example. (20)

Or

- (b) Discuss in detail about application of statistical software package in research. (20)
5. (a) Explain the importance of written report and write short notes on integral parts of a report. (20)

Or

- (b) Describe in brief about the layout of a research report. (20)
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