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**E Reg. No. :**

**Question Paper Code: 57P02**

Ph.D. COURSE WORK EXAMINATION, NOV 2017

Elective

Technology

15PPH113 - RESEARCH METHODOLOGY

(Regulation 2015)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

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| 1. | (a) | Briefly describe the different steps involved in a research process. | CO1- U | (20) |
|  |  | Or |  |  |
|  | (b) | Describe the different types of research, Explain Exploratory, Descriptive, Hypothesis Testing. | CO1- U | (20) |
|  |  |  |  |  |
| 2. | (a) | Explain Rating scale and attitudinal scales. | CO2- U | (20) |
|  |  | Or |  |  |
|  | (b) | Write in detail about the validity testing of scales and Stability measures. | CO2- U | (20) |
|  |  |  |  |  |
| 3. | (a) | Discuss the Advantages and Disadvantages of various Data. | CO3- U | (20) |
|  |  | Or |  |  |
|  | (b) | What are the guiding considerations in the construction of questionnaire? Explain. | CO3- U | (20) |
|  |  |  |  |  |
| 4. | (a) | Give the explanatory note on Multiple Regression and Correlation–Canonical Correlation. | CO4- App | (20) |
|  |  | Or |  |  |
|  | (b) | Write a brief essay on “Factor analysis” particularly pointing out its merits and limitations. | CO4- App | (20) |
|  |  |  |  |  |
| 5. | (a) | Explain the significance of a research report and narrate the various steps involved in writing such a report. | CO5- U | (20) |
|  |  | Or |  |  |
|  | (b) | Describe, in brief, the layout of a research report, covering all relevant points. | CO5- Ana | (20) |
|  |  |  |  |  |