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Ph.D. COURSE WORK EXAMINATION, OCTOBER 2022

Course I-RESEARCH METHODOLOGY

(II-Common to the Stream : Social Sciences, Management, Commerce, Law and Behavioural Sciences)

(2020 Admissions)

Time: Three Hours

Maximum: 50 Marks

Part A

Answer any ten of the following questions.

Each question carries 4 marks.

- 1. What is Pragmatic paradigm?
- 2. Distinguish between Historical and Exploratory research.
- 3. What is research problem? Define the main issues which should receive the attention of the researcher in formulating the research problem.
- 4. What do you understand by Research Design? Explain the factors which are affecting Research Design?
- 5. Write the importance of hypothesis in research.
- 6. Briefly discuss the basic measurement of scaling techniques, with suitable examples.
- 7. What are the essentials of a good questionnaire? What points should be taken into consideration while selecting the enumerators?
- 8. Difference between parametric and non-parametric tests.
- 9. Write the different steps involved in writing report.
- 10. Describe the various uses of the 'Chi-square' test.
- 11. Write a short note on application of MS office in research.
- 12. Explain the significance of ethics in writing the research report.

 $(10 \times 4 = 40 \text{ marks})$

Part B

Answer any one of the following questions. The question carries 10 marks.

- 13. What are the steps involved to conduct literature review for research and explain each one briefly.
- 14. The following data gives the age (X) and Blood Pressure (Y) of 8 persons:

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X :	52	63	45	36	72	65	47	25
Y.x.						3 3 3 7 5 7 5 7 5		

Obtain the regression lines of X on Y and Y on X and hence find the expected B.P of a person having 50 years old.

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 $(1 \times 10 = 10 \text{ marks})$