RESEARCH DEGREE PROGRAMME IN ECONOMICS

Term-End Examination

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REC-101/REC-001 : RESEARCH METHODOLOGY

Time : 3 hours   *Maximum Marks : 100*

Note : *Attempt questions as per instructions given in each section.*

SECTION A

*Attempt any **two** questions from this section in about 700 words each.*   *2×20=40*

1. "Science is objective in the sense its theories are inter-subjectively testable." In the light of this statement, critically examine the essence of science as a knowledge-seeking activity.

2. What is the distinction between Ontology and Epistemology ? How do the ontological and epistemological assumptions underlying critical theory paradigm guide the researcher to data collection and data analysis techniques ?

3. Distinguish between mono method research and mixed methods research. State the different forms of mixed methods research. Give an example of mixed methods where qualitative method predominates quantitative method.

4. Do you agree with the statement that Lakatos's writing on methodology of science is a striking balance between aggressive methodology of Popper and defensive methodology of Kuhn ? Give reasons in support of your answer.

SECTION B

*Attempt any **five** questions from this section in about 500 words each.* 5×12=60

5. Distinguish between research design and research methods. Do you think that research design is a logical rather than a logistical exercise ? Give reasons and illustrations in support of your answer.

6. You are asked to conduct a study to determine the magnitude of unemployment in a district. How would you choose the most appropriate method of enquiry in this case ? What tools of data collection would you employ ?

7. Distinguish between any *three* of the following :

   (a) Verification and Falsification

   (b) Quantitative hypothesis and Maintained hypothesis

   (c) Methodological monism and Methodological dualism

   (d) Deductive approach and Inductive approach

   (e) Bivariate analysis and Multivariate analysis

8. Discuss the main features of time series data on money and banking compiled by RBI. How can this data be useful for research ?

9. What do you mean by participatory research ? Which methods are used in participatory research ? State the various steps involved in the analysis of data in participatory research.

10. What is content analysis ? Discuss the various steps involved in content analysis. Give illustrations.

11. How do you compute the estimates of parameters of a multiple regression model by using SPSS software ? Illustrate.

12. What is multicollinearity ? How is it detected ? In what manner does it vitiate the empirical results ?