

**RESEARCH DEGREE PROGRAMME IN
ECONOMICS**

Term-End Examination

December, 2018

00303

REC-101 : RESEARCH METHODOLOGY

Time : 3 hours

Maximum Marks : 100

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

SECTION A

*Answer any **two** questions from this section in about
700 words each.*

2×20=40

1. Distinguish between Verification and Falsification. Explain the central components of Hypothetico – Deductive Model.
2. “The more precise the predictions, the better the theory.” – In the light of this statement, discuss Freidman’s methodology of positive economics.

3. Explain how critical theory framework is a departure from post-positivism and interpretivism ? What are the main features of the methodology of critical research ?

4. What is Mixed Methods Research ? State the various forms of Mixed Method Research Designs and their rationale.

SECTION B

Answer any five questions from this section in about 500 words each.

5×12=60

5. What is the distinction between PRA and RRA approach of qualitative research ? Discuss the various methods and techniques of PRA with illustrations.
6. What type of data will you need to assess the growth and employment performance of the Indian economy ? Explain the merits of these data.
7. We wish to study the wage levels of factory labour. What type of sampling method would you adopt for the study and why, if just a list of factories is available with the Chief Inspector of Factories of different State Governments.
8. Prepare a questionnaire to know the impact of application of new technology in undergraduate teaching on learning process.
9. What are the the steps used in the construction of composite index ? What are its practical applications ?

10. Distinguish between Research hypothesis and Statistical hypothesis. Can you conduct research without formulation of hypothesis ? Illustrate.

11. Consider the following model.

$$Y_i = \beta_1 + \beta_2 D_i + u_i$$

where $D_i = 0$ for the first 20 observations and $D_i = 1$ for the remaining 30 observations. You are also told that $\text{var}(u_i^2) = 300$.

- (a) How would you interpret β_1 and β_2 ?
- (b) What are the mean values of the two groups ?

12. Make distinction between deductive argument and inductive argument. Explain the different sources of deductive fallacies with illustrations.
