

**Ph.D. VOCATIONAL EDUCATION AND
TRAINING (PHDVE)**

Term-End Examination

December, 2022

**RVE-004 : RESEARCH METHODOLOGY AND
STATISTICAL METHODS-I**

Time : 3 hours

Maximum Marks : 100

Note : *All questions are compulsory.*

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1. Describe the major task involved in identifying a problem in researching Vocational Education and Training. Explain sources for selecting a research problem. 20

OR

Explain probability sampling and non-probability sampling, with illustrations. 20

2. Define and discuss questionnaire and rating scale. State techniques of data collection. 20

OR

(a) Differentiate between a cross-sectional and longitudinal study.

(b) Describe the purpose of writing a research proposal. 10+10

3. Discuss 'case study' as a method of qualitative research, with a suitable example for VET research. 20

OR

Explain the purposes of control and characteristics of experimental research design. 20

4. Explain the main steps for Philosophical inquiry. How do you analyse and interpret data in Philosophical studies ? 20

OR

Define action research and its areas, stages and care in the context of Vocational Education and Training. 20

5. Answer any *four* of the following in about 150 words each : 4×5=20

- (a) Empirical Enquiry
- (b) Panel Data Models
- (c) Historical Studies of a Vocational Education and Training System
- (d) Descriptive Research
- (e) Stratified Sampling