

**Ph.D. IN VOCATIONAL EDUCATION AND
TRAINING (PHDVET)**

Term-End Examination

00340

June, 2015

**RVE-001 : RESEARCH METHODOLOGY AND
STATISTICAL METHODS IN VOCATIONAL
EDUCATION AND TRAINING**

Time : 3 hours

Maximum Marks : 100

Note : Answer any *five* questions. Each question carries 20 marks.

1. Explain the following in not more than 250 words each : 10+10
 - (a) Case studies
 - (b) Experimental research

2. (a) What is sampling ? How is it different from census ? 5
(b) Explain in brief the different methods of sampling, giving suitable examples. 15

3. Differentiate between parametric and non-parametric tests. Give one example of a parametric test and one example of a non-parametric test. 10+5+5

4. (a) What are the characteristics of a good questionnaire? 10
- (b) Write the advantages and disadvantages of an interview schedule. 10
5. Briefly explain the following measurement scales with the help of examples :
- (a) Ratio scale 10
- (b) Interval scale 10
6. Write short notes on the following :
- (a) Tests of hypothesis 10
- (b) Multivariate regression 10
7. Draw histogram for each of the following data distributions and comment on the shape of their frequency curves. 5+5+5+5

(a)

Class Interval	Frequency
60 – 70	5
70 – 80	20
80 – 90	30
90 – 100	10
100 – 110	6
110 – 120	3
120 – 130	1
Total	75

(b)

Class Interval	Frequency
0 – 10	2
10 – 20	5
20 – 30	10
30 – 40	25
40 – 50	50
50 – 60	20
60 – 70	8
Total	120

8. Write an essay (not exceeding 500 words) on the skills training and certification in manufacturing sector in India in the context of recent initiatives of the Government of India.

20