

Total No. of Questions : 8]

SEAT No. :

[Total No. of Pages :2

**P4111**

**[4760]-1031**

**M.E.(Structure)**

**RESEARCH METHODOLOGY  
(2013Credit Pattern) (Semester-I)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Solve any 5 questions.*
- 2) *Figures to the right indicate full marks.*

- Q1)** a) Enlist various types of research and discuss fundamental research in detail. **[5]**  
b) Write a note on “Format of a research proposal.” **[5]**
- Q2)** a) Explain why research is important to decide a economic system of a country. **[5]**  
b) Explain the precautions to be taken while writing a research report. **[5]**
- Q3)** a) Write a note on advantages and limitations of sources of Literature survey. **[5]**  
b) Explain the characteristics of a good sample design. **[5]**
- Q4)** a) Explain the various sources of error in measurement. **[5]**  
b) Explain why a good literature survey is important to narrow the research problem and the technique that might be used. **[5]**
- Q5)** a) Explain Type I and Type II error in testing hypothesis. **[5]**  
b) Write a note on “Important characteristics of Chi-Square test”. **[5]**

**P.T.O.**

- Q6)** a) Enlist non- parametric tests for hypothesis testing and explain any one. [5]
- b) Enlist Important parametric tests for hypothesis testing and explain any one. [5]
- Q7)** a) Discuss the important factors to be considered during presenting a research idea. [5]
- b) Write a note on “Patenting a research idea”. [5]
- Q8)** a) Write down the characteristics of a good Abstract. [5]
- b) Write a note on “steps involved in publishing a research paper”. [5]

