



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April 2014
(2008 Scheme)**

08.805.18 : RESEARCH METHODOLOGY (MPU)

Time : 3 Hours

PART - A



Max. Marks : 100

Answer **all** questions. **Each** question carries **four** marks.

1. What are the characteristics of Engineering Research ? Explain.
2. Is research an endeavor to discover answers to intellectual problems ?
3. Elucidate the major problems faced by an engineering researcher.
4. What are the criteria for good research ? Discuss.
5. Write the significance of thorough literature review in research.
6. Discuss about the observation method in data collection.
7. Explain how questionnaire helps in data collection.
8. Discuss briefly about types of analysis.
9. What are the common visual aids used for presentation ?
10. Explain how a research proposal is initiated.

PART - B

Answer **one full** question from **each** Module. **Each** sub question carries **ten** marks.

Module - I

11. a) Explain in detail about research methodology and methods.
b) Discuss about any four important research approaches.

OR

12. a) Explain the different types of variables used in research. Why intervening variables are having special importance.
b) Discuss in detail about the procedural steps in literature review.

**Module – II**

13. a) Discuss about the processing options of data.
b) List out and explain the steps in interviewing method.

OR

14. a) Explain the factors and steps in data editing.
b) Explain different types of scaling and measurement techniques.

Module – III

15. a) Explain the types of reports with examples.
b) Discuss the contents of a research report with an example.

OR

16. a) Discuss how research proposal are initiated and presented.
b) Explain about the importance of effective communication.