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Reg. No. :

Name :

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

08.805.18 : RESEARCH METHODOLOGY (MPU)

Time : 3 Hours

Max. Marks : 100

PART – A

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

1. Discuss about the objectives of engineering research.
2. Briefly explain the motivations of research.
3. Explain important research approaches with examples.
4. Discuss how a research problem is selected.
5. Explain briefly about research design.
6. List out and explain methodologies of data collection.
7. Discuss with an example about data classifying.
8. Explain the steps in preparation of technical paper.
9. Explain the prerequisites of effective communication.
10. Discuss about quality visual aids for presentation.



P.T.O.

**PART – B**

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

Module – I

11. a) Discuss about different types of good research.
b) How gap areas in research can be identified ? Explain with examples.

OR

12. a) Explain about critical literature review.
b) Discuss how literature review helps in defining research problem.

Module – II

13. a) Explain the features of good research design.
b) Discuss the important concepts related to research design.

OR

14. a) Explain the need of research plans. How they can be developed ?
b) Discuss in detail about how primary and secondary data are collected.

Module – III

15. a) Discuss the steps in report writing.
b) Explain the contents of technical reports.

OR

16. a) Explain about the layout and structure of presentations.
b) Discuss about the prerequisites of oral presentation.
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