

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharmacy Sem-II Examination July 2010

Subject code: 920001

Subject Name: Research Methodology

Date: 03 /07 /2010

Time: 11.00 am – 02.00 pm

Instructions:

Total Marks: 80

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is mean by Research? What are the objectives behind it? Discuss in detail about different types of research with suitable examples and its significance **10**
- (b) Discuss in brief about the path of research. **06**
- Q.2** Give detail account on literature search and hypothesis generation in research. **16**
- Q.3** (a) What are the points to be consider for effective paper and thesis writing ? Give brief account on each. **10**
- (b) “Documentation is very important part of research” How? Discuss about different techniques and recent advances in documentation. **06**
- Q.4** (a) Write a brief note on different types of analysis of data pointing out the significance of each in research. **10**
- (b) What do you mean by the additive property of the technique of the analysis of variance ? Explain how the technique is superior in comparison to sampling. **06**
- Q.5** (a) ‘Interpretation is fundamental component of research’ -Explain **06**
- (b) Explain the techniques and importance of oral presentation of research findings. Is only oral presentation sufficient ? If not, why? **10**
- Q. 6** Write a note on following
- (a) Importance of Industrial-Institution interaction in Research **06**
- (b) Discriminant Analysis **05**
- (c) Research Design **05**
- Q.7** A group of researchers has discovered a new chemical entity as an anti-inflammatory agent. They wish to convert this drug candidate in drug. Guide them for further systematic and fruitful research. Make all possible assumptions. **16**
