



K16P 0449

Reg. No. : .....

Name : .....

Second Semester M.Com. Degree (Regular/Supplementary/Improvement)  
Examination, March 2016  
Commerce (2014 – Admn. Onwards)  
COM2C07 : RESEARCH METHODOLOGY AND COMPUTER  
APPLICATION

Time : 3 Hours

Max. Marks : 60

**Instructions :** 1) In Section A : Answer **any 4** questions.  
2) In Section B : Answer **any two** questions.

SECTION – A

Answer **any four** questions in this Section. **Each** question carries **1** mark for Part (a), **3** marks for Part (b) and **5** marks for Part (c).

1. a) What is meant by Research ?  
b) Write a short note on deduction and induction.  
c) Discuss the different types of Research.
2. a) What do you mean by research problem ?  
b) What are the characteristics of a good research design ?  
c) Explain the different types of hypothesis.
3. a) What is meant by observation ?  
b) Differentiate between questionnaire and schedule.  
c) Briefly explain the tools used in data collection.
4. a) How parametric test is different from non parametric test ?  
b) Explain Type I and Type II error.  
c) What is a Chi-square test ? Mention its applications.
5. a) What are the commonly used computer software packages in research ?  
b) Discuss the role of computer in research.  
c) Explain the uses and application of SPSS.

P.T.O.



6. a) Define research report.  
b) What are the functions performed by a research report ?  
c) Discuss the different types of report. (4×9 = 36 Marks)

## SECTION – B

Answer the **two** questions in this Section. **Each** question carries **12** marks.

7. a) Two random samples have been drawn from two normal populations.

Sample 1 : 75 68 65 70 84 66 55

Sample 2 : 42 44 56 52 46

Test using variance ratio at 5% significance level whether the two populations have same variance (use F-test).

OR

- b) A die is thrown 192 times with the following result.

Number turned up : 1    2    3    4    5    6

Frequency :        28 32 33 29 34 36

Test at 10% significance level if the die is unbiased.

8. a) Discuss the different types of sampling method.

OR

- b) Briefly explain the steps involved in research process.

(2×12 = 24 Marks)