

Roll No.

BBA-405(N)

**B. B. A. (Fourth Semester)
EXAMINATION, May, 2017**

(New Course)

Paper Fifth

RESEARCH METHODOLOGY

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt questions from all Sections as directed.

Inst. : The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation.

Section—A

(Short Answer Type Questions)

Note : All questions are compulsory. Each question carries 3 marks.

1. (A) Differentiate between Census and Sample Study.
- (B) What do you mean by Hypothesis ?
- (C) What is degree of freedom ?
- (D) What is level of significance ?
- (E) Define a sample.
- (F) Differentiate between control group and experimental group.

- (G) What are the sources of primary data ?
- (H) What is observation method ?
- (I) Exhibit a diagram and a graph with its various features.
- (J) What is a sampling unit ?

Section—B

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 10 marks.

- 2. Highlight the meaning of research, its objectives and types.
- 3. What is the process of research ? How is a research problem formulated ?
- 4. Explain Research design and bring out the various essential and desired features of a good research design.
- 5. Explain various methods of selecting sample. State various merits and demerits of Probability Sampling and Non-Probability Sampling.

Section—C

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 10 marks.

- 6. What should be the features of a good research report ? Present a suggestive layout.
- 7. A new Gel Pen was tested on 60 students of your class. Out of them, the new Gel Pen was given to 40 of them

[3]

and the rest were given a duplicate of it. The result were recorded as follows :

	No. of Student given New Gel Pen	No. of Students given Duplicate
Handwriting improved	25	10
Handwriting not improved	15	10

Test at 0.01 level of significance whether the New Gel Pen is helpful in improving the handwriting of students. $\chi^2_{0.01} = 6.635$.

8. The Director of your institute observes that the attendance in class of all the students in the institute is on an average 60 classes with a standard deviation of 10 when lecture method of teaching is followed. He introduces participative method of teaching in a Section of 40 students which gives a mean attendance of 65. What inference should the Director take for improving attendance of student in class. Test 5% level of significance.
9. Explain any *two* of the following :
 - (a) χ^2 test (Chi-square test)
 - (b) z-test
 - (c) t-test
 - (d) f-test

BBA-405(N)