



K24P 1121

Reg. No. :

Name :

**II Semester M.Com. Degree (C.B.C.S.S. – OBE – Regular) Examination,
April 2024
(2023 Admission)**

CMCOM 02C06 : RESEARCH METHODOLOGY

Time : 3 Hours

Max. Marks : 60

SECTION – A

Answer **any five** questions in this Section. **Each** question carries **3** marks. **(5×3=15)**

1. Define a “Research Problem”. Mention its sources.
2. Specify the criteria for evaluating the Secondary data.
3. Differentiate between One-tailed test and Two-tailed test.
4. Give the meaning and purpose of conducting literature review.
5. Categorise the different types of variables.
6. A college conducted both day and evening classes introduced as identical. A sample of 100-day students yield the examination results as under :
 $X_1 = 72.4, \sigma_1 = 14.8$
A sample of 200 evening students yields examinations results as under :
 $X_2 = 73.9, \sigma_2 = 17.9$
Are the two statistically equal @ 1% level ?

SECTION – B

Answer **any three** questions in this Section. **Each** question carries **5** marks.

(3×5=15)

7. Distinguish between Primary data and Secondary data with an example.
8. How does the Case study method differ from the Survey method ? Explain.
9. Define “Social Science Research”. Discuss its applications in taking business decisions.
10. Illustrate the factors determining the size of a sample in a study.
11. Define “Hypothesis”. Encounter the characteristics of a good hypothesis.

P.T.O.



SECTION – C

Answer **any three** questions in this Section. **Each** question carries **10** marks.

(3×10=30)

12. What are the advantages of using Questionnaires over Interviews in data collection ? Elaborate on the procedure for Questionnaire Designing.
13. Define “Research Design”. Describe the factors to be considered in the choice of Research Design in detail.
14. Define “Sampling”. Differentiate the different methods of sampling in detail.
15. Investigate the association between the darkness of eye colour on father and son from the following data :

	Frequency
Fathers with dark eyes and sons with dark eyes	100
Fathers with dark eyes and sons not with dark eyes	158
Fathers with not dark eyes and sons with dark eyes	178
Fathers with not dark eyes and sons with not dark eyes	1564

16. Two random samples drawn from the normal population are :

Sample I	20	16	26	27	23	22	18	24	25	19		
Sample II	27	33	42	35	32	34	38	28	41	43	30	37

Obtain the estimates of variances of the population and test if the two population have the same variance.