M.Sc (Garment Manufacturing Tech.)   (Sem. – 3)
RESEARCH METHODOLOGY
Subject Code: MSGMT305-18
M Code: 76691
Date of Examination : 21-12-2022

Time: 3 Hrs.   Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:
1. **The question paper is divided into FOUR Units, UNIT-I, UNIT-II, UNIT-III & UNIT-IV, each carrying TWO questions.**
2. **Students have to attempt FIVE questions selecting atleast ONE question from each Unit.**
3. **All questions carry equal TWELVE marks.**

UNIT-I

1. Discuss the role of research methodology in decision making in Garment Industry.

2. Explain how is a research problem formulated and how are the objectives set?

UNIT-II

3. Discuss the various sampling plans available for business research.

4. List and explain the various data collection tools. Give examples.

UNIT-III

5. After observing their low performances in the field, 8 salesmen were given training. The sales figures (in Rs lakhs), of salesmen before and after the training is as under:

Salesman	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8
Before training	16	19	8	16	17	13	12	14
After training	21	14	6	18	21	15	9	13

Can the training be considered to be effective? Test at 5% level of significance

6. 3 leading companies, manufacturing washing machines, have launched their latest models in the market. A research analyst firm tested the machines of the 3 companies at 5 different settings / loads, with the performance results (in minutes) listed below. Do the washing machines of the 3 companies differ significantly in their performances? (Test at 5% level of significance)

Observations	Brand 1	Brand 2	Brand 3
#1	25	31	24
#2	30	39	30
#3	36	38	28
#4	38	42	25
#5	31	35	28

UNIT-IV

7. Explain the points to be kept in mind for the final presentation of research reports.

8. Discuss the various steps in preparation of a research report.