

ME-207

May-2025

MBA Full Time-Sem-2 (Regular/Repeater)**MBA in Public Policy Management (PPM)/MBA in Event
Management (EM)/****MBA in Business Economics and Public Finance (BEPF)****Business Research and Analytics (BRA)****Code: EPF-205/ PPM-205/ EM-205****Time : 2:30 Hours]****[Max. Marks : 70**

1. Indicate the sources of research process. Enumerate the steps of the research process. **14**
2. The result in the last examination of a sample of 90 students is given below : **14**

| | 1 st class | 2 nd class | 3 rd class | Total |
|-------|-----------------------|-----------------------|-----------------------|-------|
| Boys | 20 | 10 | 20 | 50 |
| Girls | 10 | 22 | 8 | 40 |
| Total | 30 | 32 | 28 | 90 |

Can it be said that the performance in the examination depends upon gender ?

$(X^2_{(0.05)} = 5.991)$

OR

2. Why probability sampling is generally preferred in comparison to non-probability sampling ? Explain the procedure of selecting a simple random sample **14**
3. What is hypothesis testing ? Discuss in detail the procedure of hypothesis testing with example of one and two tailed test. **14**

OR

3. Two random samples of sizes 9 and 7 respectively are drawn from two different populations. The means of the samples are 196.4 and 198.8 respectively. The sum of the squares of deviations from their respective means are 26.94 and 18.73. Test the hypothesis that population means are equal. (Tabulated value = 2.145) **14**
4. Mention the different types of report, particularly pointing out the difference between a technical report and a popular report. **14**

OR

4. Explain the significance of a research report and narrate the various steps involved in writing such a report. 14

5. A teacher wants to compare the performance of three different teaching methods (X, Y, Z) on students of three different IQ levels (Low, Medium, High). The following table shows average scores (out of 100) of students in a standardized test : 14

| IQ Level | Low | Medium | High |
|----------|-----|--------|------|
| X | 60 | 70 | 80 |
| Y | 55 | 68 | 78 |
| Z | 50 | 65 | 75 |

Perform a Two-Way ANOVA at 5% level of significance.

Given : $F_{0.05}(2, 4) = 6.94$
