

## MBA in DM (Rep) Sem.-2 Examination

DM-205

BRA

May-2025

[Max. Marks : 70]

Time : 2-30 Hours]

- Q.1 You want to see if three golf clubs yield different distances. You randomly select five measurements from trails on an automated driving machine for each club. (14)

Club 1	Club 2	Club 3
254	234	200
263	218	222
241	235	197
237	227	206
251	216	204

At the 0.05 significance level, is there a difference in mean distance? (tabulated value = 3.89)

- Q.2 The result in the last examination of a sample of 90 students is given below: (14)

	1 <sup>st</sup> class	2 <sup>nd</sup> class	3 <sup>rd</sup> 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

- Q.2 There are 100 students in a university college and in the whole university, inclusive of this college, the number of students is 2000. In a random sample study 20 were found smokers in the college and the proportion of smokers in the university is 0.05. Is there any significant difference between the proportion of smokers in the college and university? Test at 5% level. (14)

- Q.3 The procedure of hypothesis testing requires a researcher to adapt several steps. Describe in brief all such steps. (14)

Or

- Q.3 Enumerate the methods of collecting data. Which is the most suitable for conducting enquiry regarding family welfare programme in India? Explain its merits and demerits. (14)

- Q.4 Describe the precautions that research that a researcher should take while interpreting its findings. (14)

Or

- Q.4 Explain the significance of a research report and narrate the various steps involved in writing such a report? (14)

- Q.5 Discuss different types of research with suitable examples. (14)