

ADMISSION NUMBER

K3 (3)

School of Business

Bachelor of Business Administration Semester End Examination - Jun 2024

Duration: 180 Minutes Max Marks: 100

1)

and

ANOVA?(4 Marks)

Sem IV - D1UA416T - D1UA401B Research Methodology

General Instructions Answer to the specific question asked Draw neat, labelled diagrams wherever necessary Approved data hand books are allowed subject to verification by the Invigilator

| 1) | Define primary research and provide examples. | K3 (3) |
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| 2) | Assess the significance of research findings for informing business decisions and asses the types of research design in this case? | K4 (4) |
| 3) | A company wants to understand the relationship between advertising expenditure and sales revenue. They collected data from the past six months, recording the amount spent on advertising (in dollars) and the corresponding sales revenue (in thousands of dollars). How can regression analysis help the company in this scenario | K3 (6) |
| 4) | Imagine you're a market analyst for a technology company that is considering launching a new line of smart home devices. Your task is to develop a set of good research questions to guide a comprehensive market research study that will inform the company's product development and marketing strategies. What are the characteristics of a good research question? | K6 (6 ₎ |
| 5) | A company wants to investigate the impact of two factors, advertising channel and promotion type, on sales revenue. The company runs advertisements through two channels: online and traditional media. Additionally, there are two types of promotions: discount coupons and buy-one-get-one-free (BOGO) offers. The company collected sales data (in dollars) for a sample of days under different combinations of advertising channels and promotion types. Online Traditional Discount \$1000, \$1100 \$1050, \$1150 BOGO \$1200, \$1300 \$1250, \$1350 | K6 (6) |
| | Using these data, perform a two-way ANOVA to analyse the effects of | |

advertising channel and promotion type on sales revenue(4marks)

explain what are the null and alternative hypotheses for the two-way

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