

SVKM's
Dwarkadas J. Sanghvi College of Engineering
Acad .Year 2022-2023
YEAR III / Semester VI

Program: B.Tech in Computer Engineering
Subject/Course: Business Analytics
Date: 17.08.2023

Max. Marks: 75
Time: 10:00-13:00
Duration: 03:00 Hrs

RE-EXAMINATION

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover page of the Answer Book, which is provided for their use.

- (1) This question paper contains 02 pages.
- (2) All Questions are Compulsory.
- (3) Answer to each new question is to be started on a fresh page.
- (4) Figures in the brackets on the right indicate full marks.
- (5) Assume suitable data wherever required, but justify it.
- (6) Support your answers with neat labelled diagrams, wherever necessary.

Question No.		Max. Marks
Q1 (a)	Explain in detail data manipulation techniques in SAS with KEEP, LENGTH, WHERE, SET.	[07]
Q1 (b)	Perform descriptive analytics with data visualization techniques like tables, graphs over students performance. Assume appropriate relevant input data. OR Elaborate on data visualization and reports for geographical data item in SAS Visual Analytics.	[08] [08]
Q2 (a)	Justify the importance of business analytics with any 5 applications in detail.	[10]
Q2 (b)	Enumerate and explain DATE functions in SAS. OR Explain how data values are formatted in SAS using SAS formats and user defined formats.	[05] [05]
Q3 (a)	Explain in detail the various summary statistical reports in SAS.	[07]
Q3 (b)	Discuss how a Text data source is analyzed in SAS. OR Explain the following in SAS with relevant examples/diagram. a) Graph level display rules b) Filters in SAS Report Viewer	[08] [08]

Q4 (a)	Explain LASR Analytic Server.	[05]
Q4 (b)	<p>Explain the following with relevant examples</p> <ul style="list-style-type: none"> a) Calculated item b) Aggregated measure c) Custom Category d) Derived items <p style="text-align: center;">OR</p> <p>Analyse loan data, perform descriptive analytics with data visualization techniques and discuss the visual analytics tools assisting in decision-making for loan approval. Assume appropriate relevant input data.</p>	<p>[10]</p> <p>[10]</p>
Q5 (a)	<p>Explain in detail how detail reports are generated in SAS with respect to following points</p> <ul style="list-style-type: none"> a) Subsetting report data b) Sorting and Grouping report data c) Enhancing reports <p style="text-align: center;">OR</p> <p>Explain the purpose of following panes available in SAS Visual Analytics Report Builder.</p> <ul style="list-style-type: none"> a) Roles Pane b) Action Pane c) Rules Pane 	<p>[07]</p> <p>[07]</p>
Q5 (b)	<p>With a use case clearly differentiate and explain the following:</p> <ul style="list-style-type: none"> a) Descriptive Analytics b) Predictive Analytics c) Prescriptive Analytics 	[08]

All the Best!