

QP Code: D 123661		Total Pages: 1	Name:
			Register No.
SECOND SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2025			
BBA			
BBA2FS112 SPREADSHEET MODELLING FOR BUSINESS			
2024 Admission onwards			
Maximum Time: 1.5 Hours		Maximum Marks: 50	
Section A			
All Questions can be answered. Each Question carries 2 marks (Ceiling: 16 Marks)			
1	What is MS Excel?		
2	What are Lookup and Reference Functions in Excel?		
3	What are the MIN and MAX functions used for?		
4	How do you add a new Worksheet?		
5	What is meant by user-defined functions in Excel?		
6	What is Cell Referencing?		
7	What is AutoSum and AutoFill used for?		
8	What is a Cell in Excel?		
9	What is Sensitivity Analysis?		
10	How do you delete a row or column in Excel?		
Section B			
All Questions can be answered. Each Question carries 6 marks (Ceiling: 24 Marks)			
11	Explain the concept of Database Manipulation in Excel with relevant examples.		
12	What are Macros in Excel? How can they be recorded and edited?		
13	Explain how to create and use Pivot Tables to analyze large datasets in Excel.		
14	Explain the DCF, NPV, and IRR functions in Excel.		
15	Outline the basic steps for entering Formulas in Excel and discuss the importance of formula accuracy.		
Section C			
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)			
16	What is a Spreadsheet? Explain its uses and limitations in detail.		
17	How do you insert Charts in Excel? What are the various types of Charts available, and what are their advantages?		

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QP Code: D 123234	Total Pages: 2	Name:
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Register No.

SECOND SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2025

BBA

BBA2CJ103 / BBA2MN102 - FOUNDATIONS FOR BUSINESS ANALYTICS

2024 Admission onwards

Maximum Time: 2 Hours

Maximum Marks: 70

Section A

All Questions can be answered. Each Question carries 3 marks (Ceiling: 24 Marks)

1	What is a Sample Space?
2	Define Business Analytics.
3	Define a Random Experiment.
4	What is the purpose of Index Numbers?
5	What is the meaning of Regression Analysis?
6	What are Mutually Exclusive and Exhaustive Events?
7	What are Parabolic and Logarithmic Trends?
8	What is a Chi-Square Distribution?
9	What is Sampling and what is meant by a Sample?
10	What are Independent Events?

Section B

All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)

11	Briefly explain the various Probabilistic Sampling and Non-Probability Sampling Methods or Techniques.																					
12	What do you mean by a Time Series? What are the Components of Time Series?																					
13	Three unbiased coins are tossed. What is the probability of obtaining: (a) All heads (b) 2 heads (c) One head (d) At least one head (e) At least two head (f) At the most one head																					
14	Compute a Price Index for the following by Simple Aggregate Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Commodity</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Price in 1986 (₹)</td> <td>20</td> <td>30</td> <td>10</td> <td>25</td> <td>40</td> <td>50</td> </tr> <tr> <td>Price in 1991 (₹)</td> <td>25</td> <td>30</td> <td>15</td> <td>35</td> <td>45</td> <td>55</td> </tr> </tbody> </table>	Commodity	A	B	C	D	E	F	Price in 1986 (₹)	20	30	10	25	40	50	Price in 1991 (₹)	25	30	15	35	45	55
Commodity	A	B	C	D	E	F																
Price in 1986 (₹)	20	30	10	25	40	50																
Price in 1991 (₹)	25	30	15	35	45	55																
15	The Standard Deviation of two samples of sizes 10 and 14 from two normal populations are 3.5 and 3.0 respectively. Examine whether the Standard Deviation of the Population are equal.																					
16	In a cafe, the customer arrives at a mean rate of 2 per minute. Find the probability of arrival of 5 customers in 1 minute using the Poisson distribution formula.																					
17	Construct 3 yearly moving averages from the following data: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Year</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024</th> </tr> </thead> <tbody> <tr> <td>Annual sales in lakhs</td> <td>43</td> <td>45</td> <td>50</td> <td>54</td> <td>51</td> <td>49</td> <td>52</td> <td>56</td> <td>60</td> </tr> </tbody> </table>	Year	2016	2017	2018	2019	2020	2021	2022	2023	2024	Annual sales in lakhs	43	45	50	54	51	49	52	56	60	
Year	2016	2017	2018	2019	2020	2021	2022	2023	2024													
Annual sales in lakhs	43	45	50	54	51	49	52	56	60													

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18	Calculate the Correlation Coefficient for the following data: $X = 21, 31, 25, 40, 47, 38$ and $Y = 70, 55, 60, 78, 66, 80$										
Section C											
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)											
19	Calculate the Rank Correlation Coefficient between marks assigned to 10 students by Judges X and Y.										
	Sl. No:	1	2	3	4	5	6	7	8	9	10
	Mark by Judge X	52	53	42	16	45	41	37	38	25	27
	Mark by Judge Y	65	68	43	38	77	48	35	30	25	50
20	Calculate the Regression Coefficient and obtain the Lines of Regression for the following data:										
	X	1	2	3	4	5	6	7			
	Y	9	8	10	12	11	13	14			

QP Code: D 122643		Total Pages: 1	Name:
			Register No.
SECOND SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2025			
BBA			
BBA2CJ101 BUSINESS ECONOMICS			
2024 Admission onwards			
Maximum Time: 2 Hours			Maximum Marks: 70
Section A			
All Questions can be answered. Each Question carries 3 marks (Ceiling: 24 Marks)			
1	What is meant by Monopolistic Competition?		
2	Define Marginal Cost.		
3	What is meant by the Demand function?		
4	What is Opportunity Cost?		
5	What is meant by Business Economics?		
6	What do you mean by Liberalization?		
7	What is Giffen Paradox?		
8	What do you mean by Fiscal Policy?		
9	What is meant by GDP?		
10	What is the Law of Supply?		
Section B			
All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)			
11	What are the benefits of Globalization for businesses?		
12	Briefly explain the Marginal Utility Theory.		
13	What are the features of Perfect Competition?		
14	What is the importance of Demand Forecasting in Business Economics?		
15	Briefly explain the Economies and Diseconomies of Scale.		
16	What are the factors determining the Supply of a commodity?		
17	Write a note on Game Theory.		
18	Distinguish between Microeconomics and Macroeconomics.		
Section C			
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)			
19	Explain the concept of Demand. Discuss in detail the determinants of Demand or various factors that influence demand.		
20	Define Business Environment. What are the components of the Business Environment? Also, explain the nature and importance of the Business Environment		

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