

QP CODE: D2BCA2404		(Pages: 2)		Reg. No :	
				Name :	
Second Semester BCA Honours (FYUGP) Degree Examination April 2025					
SEC					
BCA2FS112 : Data Analysis Using Spreadsheet					
(Credits: 3)					
Time: 1.5 Hours			Maximum Marks: 50		
Section A					
Answer the following questions. Each carries 2 marks (Ceiling: 16 marks)					
1.	What are the different data types in a spreadsheet?	BL1	CO1		
2.	Assess the benefits of using Google Sheets over Excel for remote teams.	BL5	CO1		
3.	How can the AND function be combined with the IF function for multiple conditions?	BL2	CO1, CO2		
4.	If the NPV of an investment is negative, what can you infer about the project's financial viability?	BL2	CO1, CO2		
5.	How would you use the "Text to Columns" feature to split a full name (e.g., "John Doe") into first and last names?	BL3	CO1, CO2		
6.	What is the advantage of using a dual-axis chart when comparing two datasets with different units of measurement?	BL2	CO4		
7.	Write down the steps for creating a pivot chart from a pivot table.	BL2	CO3, CO4		
8.	How would you create a pivot table to summarize sales data by region and product?	BL3	CO3, CO4		
9.	Why is DAX important for advanced data modeling?	BL1	CO3		
10.	Write a formula using the CONCATENATE function to join the first name in cell A2 and last name in cell B2 with a space between them.	BL3	CO1		
Section B					
Answer the following questions. Each carries 6 marks (Ceiling: 24 Marks)					
11.	Given a timestamp, use the HOUR(), MINUTE(), and SECOND() functions to analyze and extract each component separately.	BL2	CO1		
				(PTO)	

12.	Define the term data validation. Discuss the importance of data validation.	BL2	CO2
13.	Describe the steps to add a timeline to a pivot table to analyze monthly sales data over a year.	BL2	CO3, CO4
14.	Critically assess the impact of descriptive statistics on understanding customer behavior using real-world examples.	BL2	CO3
15.	What is the purpose of the MATCH function in Excel? How does it complement the INDEX function? Explain with an example of how INDEX and MATCH can be used together to perform a lookup.	BL3	CO1, CO2

Section C

Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)

16.	With neat diagram, discuss the features of different types of charts available in excel.	BL2	CO4
17.	Describe the following What-If analysis tools in Excel with their purpose and differences: a) Goal Seek b) Data Tables c) Scenario Manager Explain with simple examples how each tool helps in business decision-making.	BL2	CO3

CO : Course Outcome

BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)