CODE: D2BCA2404	(Pages: 2)	Reg. No :			
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Second Semeste	er BCA Honours (FYUGP) Deg	ree Examination Ap	oril 202	5	
	SEC				
BC	_	g Spreadsheet			
	(Credits: 3)				
e: 1.5 Hours			Maximu	um Marks: 50	
Answer the follo	wing questions. Each carries	2 marks (Ceiling: 10	6 marks	5)	
What are the different	data types in a spreadsheet?		BL1	CO1	
Assess the benefits of using Google Sheets over Excel for remote teams.			BL5	CO1	
How can the AND function be combined with the IF function for multiple conditions?			BL2	CO1, CO2	
If the NPV of an investment is negative, what can you infer about the project's financial viability?		BL2	CO1, CO2		
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		
e e e e e e e e e e e e e e e e e e e	U	comparing two	BL2	CO4	
Write down the steps fo	r creating a pivot chart from a pi	vot table.	BL2	CO3, CO4	
How would you create a product?	a pivot table to summarize sales	data by region and	BL3	CO3, CO4	
Why is DAX important f	or advanced data modeling?		BL1	CO3	
Ŭ			BL3	CO1	
				CO1	
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	Second Semesta BC BC E: 1.5 Hours Answer the follo What are the different of Assess the benefits of How can the AND funct conditions? If the NPV of an investin project's financial viabili How would you use the "John Doe") into first an What is the advantage of datasets with different u What is the advantage of datasets with different u Write down the steps fo How would you create a product? Why is DAX important for Cell A2 and last name in	Second Semester BCA Honours (FYUGP) Deg SEC BCA2FS112 : Data Analysis Usin (Credits: 3) e: 1.5 Hours Section A Answer the following questions. Each carries : What are the different data types in a spreadsheet? Assess the benefits of using Google Sheets over Excel How can the AND function be combined with the IF fun- conditions? If the NPV of an investment is negative, what can you in project's financial viability? How would you use the "Text to Columns" feature to spl "John Doe") into first and last names? What is the advantage of using a dual-axis chart when of datasets with different units of measurement? Write down the steps for creating a pivot chart from a pi How would you create a pivot table to summarize sales product? Why is DAX important for advanced data modeling? Write a formula using the CONCATENATE function to jo cell A2 and last name in cell B2 with a space between the Section B Answer the following questions. Each carries	Second Semester BCA Honours (FYUGP) Degree Examination Apsec Second Semester BCA Honours (FYUGP) Degree Examination Apsec SEC BCA2FS112 : Data Analysis Using Spreadsheet (Credits: 3) Section A Answer the following questions. Each carries 2 marks (Ceiling: 1) What are the different data types in a spreadsheet? Assess the benefits of using Google Sheets over Excel for remote teams. How can the AND function be combined with the IF function for multiple conditions? If the NPV of an investment is negative, what can you infer about the project's financial viability? How would you use the "Text to Columns" feature to split a full name (e.g., "John Doe") into first and last names? What is the advantage of using a dual-axis chart when comparing two datasets with different units of measurement? Write down the steps for creating a pivot chart from a pivot table. How would you create a pivot table to summarize sales data by region and product? Why is DAX important for advanced data modeling? 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. Section B Answer the following questions. Each carries 6 marks (Ceiling: 2 Given a timestamp, use the HOUR(), MINUTE(), and SECOND() functions to analyze and extract each component separately	Name	

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)					