Name: Enrolment No:



UNIVERSITY OF PETROLEUM & ENERGY STUDIES End Semester Examination (Online) – Dec, 2021

Program: BBA DM Subject/Course: Spreadsheet Modeling

Course Code: DSQT 2005

Semester: III Max. Marks: 100 Duration: 3 Hours

1.	Define SUMIF function?	2	CO1
2.	When creating formulas, what is a mixed reference? (a) One cell reference is absolute, the other must be manually assigned (b) Both cell references are either absolute, or relative (c) Both cell references are manually assigned (d) One cell reference is absolute, the other one is relative	2	CO1
3.	When you open an Excel workbook or spreadsheet, what kind of file is it? (a) .xlsx (b) .docx (c) .gsheet (d) .pdf	2	CO1
4.	You can activate a cell by (a) Pressing the Tab key (b) Clicking the cell (c) Pressing an arrow key (d) All of the above	2	CO1
5.	In H-M-L (High, Medium, Low) analysis the criteria for selection of the category is (a) Annual usage value (b) Unit price of item (c) Criticality of the item (d) None of the above	2	CO1
6.	Which symbol must all formula begin with? (a) = (b) + (c) ((d) %	2	CO1
7.	A discount rate that makes the net present value (NPV) of all cash flows equal to zero in a discounted cash flow analysis. (a) MIRR	2	CO1

	(b) IRR				
	(c) Profitability Index				
	(d) None of the above				
	Which of the following is not an inventory?				
	(a) Machine				
8.	(b) Raw material(c) Finished products	2	CO1		
	(d) Consumable tools				
	A				
	1 104524				
	2 906346				
	3 176897				
	4 104524				
	5 906346				
	6 276897				
9.	7 004524	2	CO2		
9.	8 906346	2	COZ		
	9 76897				
	calculate? (Use above mentioned excel sheet table) (a) =SUM(Sales)-A3 (b) =SUM(A1:A5)*.5 (c) =SUM(A1:A9)/(10-10)				
	(d) = SUM(A1:A5)-10				
	(d) =SUM(A1:A5)-10				
	(d) =SUM(A1:A5)-10				
10	(d) =SUM(A1:A5)-10 A 1 004524	2	CO2		
10	(d) =SUM(A1:A5)-10 A 1 004524 2 906346	2	CO2		
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10	(d) =SUM(A1:A5)-10 A 1 004524 2 906346 3 076897 For the excel sheet format given above, write the output of the function =RIGHT(A2,4)	2	CO2		
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10 Q.No	(d) =SUM(A1:A5)-10 A 1 004524 2 906346 3 076897 For the excel sheet format given above, write the output of the function =RIGHT(A2,4) Section-B Question	2 Marks	CO2		
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	Toys Category	Marked Price	Quantity Ordered	Total Marked Price	Discount (8%)	Final Price		
	A	12	2	TVIAIT NOOT TITLE				
	В	8	3					
	C	14	4					
	D	19	1					
	Е	12	6					
12.	Discuss the	dimensions to	judge produc	ct quality?			5	CO1
	Following as	re the per unit	price of appl	e of different cate	egory.			
	Category							
		A			12			CO4
		В			8			
		C			14			
		<u>D</u>			19			
13.		<u>Е</u> F			20 11		5	
	G							
	Н							
	I							
	J			29 5				
	Use an excel function to find							
	(a) The							
	(b) Max	imum price of	the apple.					
					Units To	otal Amount		
	Date	Region	Sales	Person		tai modit		
	24/06/2023	1 North	Je	nifer	186	\$ 50,592		
	01/06/2023		A	lbert	356	\$ 96,832		
	09/09/2023			2		\$ 2,46,704	5	CO4
	26/06/202			yna	190	\$ 51,680		
14.	22/04/2023			Iark		\$ 1,95,024		
14.	22/03/202			nmy		\$ 1,49,600		
	19/12/2020			U		\$ 2,56,224		
	31/10/2020			nifer	901	\$ 2,45,072		
	02/10/2020 West Jimmy 117 \$31,824							
	Write the function in excel based on below conditions							
	(a) Find the total unit raised by George after 3/10/2021.							
	(b) Find the							
				Section-B				

15.	Solve the follo	wing linear prog	graming prob	olem using sim	plex method i	n excel.		
	Maximise Z= 3							
	Subject to Constraints:							
	$X_1+2X_2 \le 6,$						10	
	$2X_1+X_2 \le 8,$							
	$-X_1+X_2 \le 1$,							CO2
	$X_2 \leq 2$,							
	$X_1,X_2 \ge 0$							
	Solve the following transportation problem using excel solver. Unit Cost W1 W2 W3 W4 Supply							
16.	F1	10	0	20	11	Supply 20	10	CO2
10.	F2 F3	0	7 14	9 16	20 18	25 15	10	
	Demand	10	15	15	20	10		
	Using excel draw percentage pie chart for the following data and interpret your result. Crop Area (In Sq. ft.)							
	Cereals			235			4	
	Pulses			180				
15	Vegetables			320				CO2
17.	Fruits			150			10	CO3
	Flowers			80				
	Others 35							
	'OR'							
Discuss any four kinds of error appears in spreadsheet?								
				Section-C				

	Cost of capital 15%					
18.	Year		Project 1	Project 2	1	
	1		-₹ 400	-₹ 800		
	2		₹ 130	₹ 360	1	
10.	3		₹ 190	₹ 360	1	
	4		₹ 260	₹ 360	1	
	(a) Calculate NPV for both (b) Calculate IRR for both (c) If the company can ch	5 5 5	CO3			
	why?					
	A company manufactures a line of 10 items. Their usage and unit cost are shown in the accompanying table along with annual rupee value usage of each. Group items into ABC classification. Item					
	A	110	0	2		
	B	600		40		
19.	C	100		4	15	CO4
	D	130			13	004
	E	100	<u> </u>	60		
	F	10	<u> </u>	25		
	G	100)	2		
	Н	150	0	2		
	I	200)	2		
	J	500)	1		