

## UNIVERSITY WITH A PURPOSE

## **UNIVERSITY OF PETROLEUM & ENERGY STUDIES**

## **End Semester Examination, December 2021**

Program: BBA EPRCC+Mktg+HRM
Subject/Course: Spreadsheet Modeling

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Course Code: DSQT 2005

Semester: 3

**Duration: 03 Hours** 

Max. Marks: 100

Q.No	Section A (Type the answers in the text box)	10QX2M=20 Marks	COs
	In a spreadsheet, letters are used to represent:	17242115	
1	a. Columns		
	b. Blocks	2	1
	c. Rows		
	d. Cells		
	In a computer spreadsheet, absolute Cell reference can be represented as:		
	a. B3		
2	b. \$B\$3	2	2
	c. B\$3		
	d. \$B3		
	In a computer spreadsheet, Cell's address that is included in range C5:E7 is		
3	a. C8	2	1
3	b. D6	2	1
	c. E4		
1	d. D9	2	1
4	Write the range to include all cells in row 9.	2	1
	Which of these is the correct row address?		
_	a. AA	2	1
5	b. 25	2	1
	c. 3B		
	d. C5		
	In a computer spreadsheet what will be the value of the formula "= $(7-3)*(1+6)/4$ "		
6	a.7 b. 1.5	2	2
	c. 2	_	_
	d. 12		
	In a computer spreadsheet, Cell range A3 through G3 should be keyed in as:		
	a. A3-G3		
7	b. A3:G3	2	1
	c. A3?.G3		
	d. A3 to G3		
8	In a computer spreadsheet, function used to count number of entries in a given range is:		
	a. LENGTH	2	
	b. COUNTER	2	1
	c. COUNTA		
-	d. COUNT		
9	What will be the output for the formula "=SUMPRODUCT({2,3,4},{5,6,7})".	2	3
10	What will be the output of "=COUNT(A1:F1).	2	3
L			

	al				-	- 1									
	1	A 34	B 2X	67	D BQ	E 44	43								
	2	34	2/	07	ьц	44	43						4QX5M=20		
Q.No	Section B (Scan & Upload)													COs	
1	Discuss IF function and nested IF functions giving example?												5	2	
2	How are the spreadsheet functions "COUNT" and "COUNTA" different?													3	
3	Demonstrate how SUMPRODUCT can be used to calculate the total bill at a supermarket.												5	3	
4	What are 'Wildcard Characters'? How can they be used in conditional spreadsheet functions (Like SUMIFS, COUNTIFS, etc)?													3	
Q.No	Section C													COs	
	(Scan & Upload)												Marks		
1	L M N O P Q R S									S	10	3			
	1								Т	0					
	2							Gurgaon	Varanasi	Nagpur	Bhopal	Shillong			
	3		D	)elhi			125	167	209	251	293	335			
	4		Ν	∕Iumbai			250	345	440	535	630	725			
	5			Colkata			100	123	146	169	192	215			
	6			C	hennai			130	763	1396	2029	2662	3295		
	7	FROM	A	Aurangabad			175	741	1307	1873	2439	3005			
	8	FROIV		Dehradun			200	897.6	1595.2	2292.8	2990.4	3688			
	9		P	anaji			212	1054.2	1896.4	2738.6	3580.8	4423			
	10		L	Lucknow Patna			180	1210.8	2241.6	3272.4	4303.2	5334			
	11		P				95	1367.4	2639.8	3912.2	5184.6	6457			
	12		Н	lyderab	ad		112	1524	2936	4348	5760	7172			
		e the spr	reads	heet for	mula	to fin	d cour	rier price fro	m Lucknow	to Nagpur	based on th	e above			
	grid.	Г.		1_	Γ_								10	2	
2	1	A		В	С								10	3	
	2	Name		Age	Mar										
	3	Mana Rahul	V	25 27	1	34 42									
	4	Jatin		23	1	62									
	5	Harshi	it	23	1	34									
	6	Rakes		28	1	66									
	7	Rames		22		49									
	8	Suresh		24		59									
	9	Jignes		24		38									
	10	Lokesh		26		84									
	Using VLOOKUP function find the "Age" & "Marks" of 'Ramesh' and 'Suresh'  OR  Using INDEX and MATCH functions, find the "Age" & "Marks" of 'Ramesh' and 'Suresh'.														
3								t Modeling			2 2011 1		10	2	
Q.No	Section D											2QX15M=30	COs		
		(Scan & Upload)											Marks		

1		Α	В	С	D	Е	F	G	15	3
	1		Student							
	2		Asha	500						
	3		Ritesh							
	4									
	5	Anchal 26 Failed 27 Dehradun 350								
	6		Lata	84	Passed	25	Chennai	300		
	7		Kunal	65	Passed	24	Kolkata	200		
	8		Lalit	56	Passed	27	Bhubaneshv	350		
	9		Rashi	89	Passed	24	Kolkata	250		
	10		Ramesh	45	Passed	25	Agra	400		
	Write the spreadsheet formula to find total bank balance of students whose names have 5 letters.									
	Write the spreadsheet formula to find the average age of students who have "PASSED" and									
2			ter than or equ		- II - I	l - l C l 1	. l	- Carandula	15	3
2		_	vie Jones, the				-	ua-Spa and the	13	3
	•		ype of hot tuk		-	-	•			
	prefa									
	•		-				•	as many hot tub		
			needs.) How	•		•	•	•		
	have	only 200 i	pumps availab	le during his	next produ	ction cycle	e. From a ma	nufacturing		
	stan	dpoint, the	e main differei	nce betweer	the two mo	dels of ho	t tubs is the	amount of		
		-	•		•			feet of tubing.		
		•	•			_	•	cts to have 1,566		
	-				_		-	roduction cycle.		
			profit of \$350 fident that he	-				=		
	man									
	during the next production cycle?									
	To solve this problem on spreadsheet, what would be the Objective function, Variables									
	and the Constraints?									