P. P. SAVANI UNIVERSITY

Third semester of B.B.A. Examination November-2022

SMBB2161 - (Quantitative Methods- II)

25.11.2022, Friday

1. The question paper comprises of two sections.

2. Section I and II must be attempted in separate answer sheets.

Instructions:

Time: 09:00 a.m. to 11:30 a.m.

Maximum Marks: 60

 Make Use of 	suitable ass f scientific ca	umptions alculator	and dra	w neat fig d.	gures whe	rever req	uired.			
			SE	CTION -	I				СО	BLT
Q-1	Define an	y five.						[05]	1	1
(i)	Sample									
(ii)	Median									
(iii)	Type II Error									
(iv)	Mode									
(v)	Secondary data									
(vi)	Population									
(vii)	Range									
Q - 2 (a)	Explain the Hypothesis Testing in detail with examples.						[05]	1	2	
Q-2(b)	Differentia	ate betwe	en corre		d regressi	on analysi	is.	[05]	1	4
0.0()	T 1			OR						
	 2 (a) Explain Normal Distribution and draw a diagram. 2 (b) Explain Type 1 and Type 2 Error 						[05]	1	2	
								[05]	1	2
Q - 3 Construct Mean chart for following data. ($A_2 =$						_		[10] 3 6		
	Sample	300	2	3	4	5	6		THE ST	
		25	342	351	319	326	333	N. em		
	Range	25	3/	20	28	30	22			
	OR									
Q-3	Check test of independence of following data.						[10]	2	4	
	No of days						7			
	With parents		7		40		20			
	Without parents		8		10		20			
	Total		15	5	50		40			
Q-4 Attempt anyone.										
(i)	Explain the coefficient of determination.							[05]	1	2
(ii)	Explain Moving average method.						[05]	1	2	
SECTION - II										
Q-1	Define any	five.						[05]	1	2
(i)	Skewness									

(ii)	Mean									
(iii)	Type I Error									
(iv)	Hypothesis									
(v)	Kurtosis									
(vi)	Primar	v data								
(vii)		uare Test								
Q-2(a)	Explain C – chart with suitable example.							[05]	1	2
Q-2(b)		Explain p-np chart with suitable example.							1	2
	OR THE RESERVE OF THE PROPERTY									
Q-2	Find value for Mean and Median of following data.							[10]	2	5
	C.I.	0 - 15	15 - 30	30 - 45	45 - 60	60 - 75	75 - 90			
	Fre.	3	5	10	12	6	4			
Q-3(a)	Explain	different	types of	Quality Co	ontrol Char	ts.		[05]	1,	2
Q-3(b)								[05]	1	2
				OR						
Q-3	Find value for mean median and mode of following data.							[10]	2	5
	5 7 12 8 15 12 17 18 22 20 26 28 32 30									
Q-4	Attemp	Attempt anyone.								
(i)	A stock trader wants to calculate a stock's simple moving average							[05]	2	5
	by taking its closing price over the last five days. The closing prices									
	for the last 5 days are as follows: ₹23, ₹23.40, ₹23.20, ₹24, and									
	₹25.50	. Find valu	ie the sim	ple movir	ng average	Lachdaga				
(ii) Explain measurement of central tendency					[05]	1	2			
				1	*****					

Level of Bloom's Revised Taxonomy in Assessment

: Course Outcome Number

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Devel of Diooni 5 Revise.	evided randing in riddesdiffer					
1: Remember	2: Understand	3: Apply				
4: Analyze	5: Evaluate	6: Create				

BTL : Blooms Taxonomy Level