VPM's DR VN BRIMS, Thane Programme: MMS (2021-23)

Third Semester Examination February 2023

Third Schiester Examination 1 columny 2025									
Course Name:	Marketing Research & Analysis	Course Code	MMS – M-314						
Roll No.		Marks	60						
Total No. of Questions	6	Duration	3 Hours						
Total No. of printed pages	5	Date	15-02-2023						

Course Outcome Statements:

- **CO1.** DEFINE the basic concepts related to marketing research, marketing research processes, primary and secondary research, qualitative analysis.
- CO2. EXPLAIN the concepts taught through the syllabus of Marketing Research & Analysis
- **CO3.**MAKE USE OF processes pertaining to marketing research process, data collection, questionnaire designing, sampling, data processing for finding solution to the marketing research problems.
- **CO4.** EXAMINE the results of various marketing research statistical tools from an analytical perspective
- CO5. APPRAISE the results of marketing research statistical tools for taking business decision
- **CO6.**DEVELOP a marketing research report consisting of business research problem, data collection, data analysis and conclusion

Instruction	ons:	-			
Q. No 1 (A	All (Questions are Compulsory)	Marks	BL	CO
Q. No.		Questions			
Q. 1		Case/Case-let Study (500-800 words)			
		A three-star hotel located in Delhi has been experiencing a decline in its occupancy during the past one year. The management has recently reviewed the problem and is seriously considering to attract business executives as also to provide adequate facilities for holding business conferences, workshops etc, Since, this would involve some renovation of the existing building in addition to new furniture and equipment, the management wants to be cautious in undertaking such expenditure. Since its inception several years ago, the hotel has been maintaining a complete record of its guests. When a person visits the hotel for the first time, details such as his name, age, gender, permanent address, purpose of visit and duration of the stay are dated and recorded on the same card The guest files has expanded tremendously containing over 8000 cards. The management wants to make use of this readily available information along with any additional information necessary in this regard. Assuming that the management has entrusted you with the job,			
	a.	Analyse the information given in the case specify the data you	6	Level 4	CO4
	b.	would collect from the sample of respondent Decide relevant sampling methods would you select and why?	6	Level 5	CO5
Q. 2		Answer Any one from the following.			
		Indian railways raised their fares in recently. Indian railways are government-owned company and only rail operator in the country. Survey is conducted on respondents and they were asked to indicate on seven-point scale (1 =completely agree, 7= completely disagree), their agreement or disagreement with the set of 10 statements	6	Level 5	CO5

relating to their perceptions and attributes of the railways

Communalities

	Initial	Extraction
Indian railways are always	1.000	.933
on time		
seats are always comfortable	1.000	.934
I like the food offered by	1.000	.835
railways		
Auto-promotion to a higher	1.000	.943
class if seats are available		
my friends and family like	1.000	.462
travelling by trains		
The coach's condition is very	1.000	.922
good		
I get the benefits of frequent	1.000	.971
travelling		
it suits my time schedule	1.000	.955
my mom feels safe when I	1.000	.193
travel by train		
travelling by train suits my	1.000	.923
lifestyle		

Extraction Method: Principal Component Analysis.
Total Variance Explained

Comp onents	% Of Varianc e	Cumulati ve %	Total	% Of Variance	Cumulati ve %
1	31.775	31.775	3.041	30.408	30.408
2	30.499	62.274	3.030	30.296	60.703
3	18.447	80.720	2.002	20.017	80.720
4					
5					
6					
7					
8					
9					
10					

Rotated Component Matrix

Routed Compo		Componen	t
	1	2	3
Indian railways are always on	.954	004	.153
time			
seats are always comfortable	.037	.090	.962
i like food offered by railways	.912	.037	052
auto promotion to higher class	062	.965	.096
if seats are available			
my friends and family like	.578	.149	325
travelling by trains			
coaches' condition is very	.959	040	.021
good			
i get benefits of frequently	028	.985	005
travelling			
it suits my time schedule	077	.175	.958
my mom feels safe when i	184	389	086
travel by train			

	1		110	0 1	00-	T	1	I
		travelling by train suits n	my life016	.956	.097			
		style						
		Extraction Method: Prince						
		Rotation Method: Varing						
		a. Rotation converged in		T or al 5	COF			
	a.	Explain the rational of fa	actor analysis			6	Level 5	CO5
	b.	Decide the variables link	ted with factor			6	Level 5	CO5
Q. 3		Answer A						
	a.	The marketing manager						
		customer values the vario						
		by its micro-trip pen. I						
		which are important to c that the company is willing						
		are the following attribute						
		1. The price of the m						
		2. The colour of ink	6					
		3. Diameter of tip of						
		The levels of these attribu		Level 4	CO4			
		1. Price – Rs. 5, Rs.						
		2. Colour of ink – bl						
		3. Diameter of tip – 0						
		List the various combina	ations of the att	ributes wit	th code creation			
	D	and transpose	C DDI C.1	7D-1	1			
	В	The marketing manager of how the customer values						
		offered by its colour tele	_		-			
		product which are impor						
		attribute that the compa						
		customer. These are the						
		which are important.						
		1. Price of the Pro	duct – Rs. 14,0	000, Rs.19	,000, Rs 25000,			
		Rs.30,000						
		2. Longevity in year	•					
		3. Dimensions of the		inch, 21-in	ch, 25 inches			
		Output of Conj	Unstandardized	l Cto	ndardized			
			Coefficients		efficients			
		Model	B Std. Er		Beta			
			8.500	.379				
			500 .656		.374			
			167 .656		.284			
			.056 .656		072			
		v4 3.3	333 .536		.262			
		v5 1.2	250 .536		.098			
).333 .536		812	6		
			583 .536		.124			
		V1, V2, V3 are codes rela						
		V4 V5 are codes related by V6 V7 are related to Dim	~ .	oduct				
		V6, V7 are related to Dim Classify the most preferred	-		sination of			
		product attribute	cu anu icasi pieti	LITEU COIIIU	manon oi			
		product attitude					Level 4	CO4

Q. 4		Answer	Any tw	o from th	ne following.							
	a.		Some students of BRIMS appeared for RBI exam for Grade B									
		position. Following are the scores of these students. SPSS output for Discriminant Analysis is Provided here.										
				el using								
		provided here, and use that model to predict result of BRIMS										
		followin	ng stude	nts	_							
		PI GD G										
		Name		N	<u>ritten score</u>	GD	Score	Score	4			
		Vikra			181		31	25				
		Swati			154		32	31	41			
		Same			155		33	32	41			
		Tanay			156		34	33	41			
		Shwe			157		26	34	_			
		Tanvi			169		27	26	_			
		SPSS O	_	eal Discri	iminant Fun	ction Co	officients	,				
			Canonic	ai Disci	illilliant Fun	cuon co	efficients	•		6	Level 3	CO3
						Funct	ion					
		V	Written s	core		.030	0					
		v	GD Sco			.12						
		PI Score .159 (Constant) -10.126 Unstandardized coefficients										
		Unstan				O4 : 1	_					
				Function	s at Group (.S					
		Decis	ion		Fun	ction						
		Selec			2 /	1 762						
		Rejec				2.762 -1.707						
				d canonic	al discrimina		ons evalu	ated at				
					group means	S						
	В	SPSS or	ıtput is ş		ow for Cluste							
			C1-		lomeration S							
				ıster ıbined			Cluster Appears					
			Cluste		Coefficient		Cluster	Next				
		Stage	r 1	2		1	2	Stage				
		1	1	19	11.000	0	0	11				
		2	11	20	15.000	0	0	12				
		3	8	9	15.000	0	0	7			Level 3	CO3
		4	6	10	17.000	0	0	12				
		5	14	18	19.000	0	0	15		_		
		6	7	15	20.000	0	0	15		6		
		7	2	8	20.500	0	3	14				
		8	5	13	21.000	0	0	11				
		9	16	17	22.000	0	0	14				
	Ì	10	4	12	23.000	0	0	16				
		11	1	5	23.500	1	8	13				
		12	6	11	24.000	4	2	13				
		13	1	6	26.375	11	12	16				
		14	2	16	28.000	7	9	17				
		15	7	14	28.000	6	5	18				
		16	1	4	32.750	13	10	19				

		17	2	2	32.800	1.4	0	18				
		17	2 2	7	36.250	14	15	19				
		19	1	2	44.420	16	18	0				
			n numbe	l .	ers using SF							
	c.				ts have con							
	· ·			-	nt in thane							
					n in hundred	_	-				Level 3	CO3
		-		-	bles. In ord						20,010	
			-		Daily sales		-					
		restaura	ant in tha	ne region	and applied	d regression	analysi	s on the	e data			
		collect	with the	following	g results	_			_			
					Coefficient	ts						
						Standardi						
						zed						
		Unstandardized Coefficie										
					ficients	nts	_					
		Model		В	Std. Error	Beta	T	Sig.				
		$\begin{bmatrix} 1 \end{bmatrix}$ (Co	nstant)	13151. 519	2001.204		6.572	.000				
		Are	a sq.	21.952	1.793	1.140	12.246	6 .000		6		
		met	-							v		
		Pop	ulation	27.408	5.507	.397	4.977	7 .000				
		hun	dreds									
		Dis	tance	976.27	312.686	.182	3.122	2 .005				
		froi		4								
		stat										
					sale per day							
					el using abo	ve output of	SPSS a	and fore	ecast			
		expecte	ed sales v	vhen								
		Area	in sq.	Popula	ation in	Distance f	rom					
			ters	-	dreds	Station in	km					
		1,00	00.00	100	0.00	2						
		700	0.00	200	0.00	3						
		800	0.00	150	0.00	5						
Q. 5			1		Any two from	m the follow	ving.					
	a.	Explai			esearch desi					6	Level 2	CO2
	b	Explain the concept of sampling							6	Level 2	CO2	
	c.	Illustrate the process of questionnaire designing								6	Level 2	CO2
Q. 6		Answer Any two from the following.										
4.0	a.	What			hods of sam			3		6	Level 1	CO1
	b				ch report	r-10 5120 car				6	Level 1	CO1
	c.		s primar		on report					6	Level 1	CO1
	L.	vviiat i	o brilliar	y uata		U	TCACI I	COI				