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USN			NATIONAL PROPERTY.
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Internal Assesment Test - H

te.	STATISTICS FOI		n: 1.30 H	re M	v Mortes	FO		And the second	Code:	22M	BA14
PI PINCH		L'artifo		The second section is a second		50	Sem:	I	tranch:	M	BA
V-1741.00					SET- II	et et en		The section was appeared to the section of the sect			
											OBE
er Name en	Part A - Answer A	ny Two	Eul O		(21.20		Arran Santon Springer (1995)	William Co.	Mar	ks co	RI
(0)		my 1 WO	run Que	stions	(2* 20 =	40 ma	rks)				
	Explain the Rules of						Winds of the Association Control	A CONTRACTOR OF THE PARTY OF TH	[03	1 CO3	1
b)	Outline the case and s	olve by	Binomial	Distrib	oution.	W. O. W. St. Despectate Colored	A STATE OF STREET	-	102	CO3	I
	10 coins are thrown heads.	simulta	neously.	Find th	ne probab	oility of	f gettin	g atleast	7	1 005	
c)	Examine the case.	Mile T. Marie M. C. Marie and pro-	The second second second second			THE REST OF THE REST OF THE REST		The state of the s	- 110	1 CO4	L
	An insurance compan	y, which	specializ	es in m	otor insu	rance. F	pases th	e premiu	m	1 (1)4	i.
	charged partly on the	region	of the co	untry i	n which	the own	ner of	he vehicl			
	itves. The following	able she	ows the n	umber	of claims	from	each re	orion for			
	pandom sample of cla	ums in	the year	2010 a	and the pe	ercenta	ge dist	ribution o	f		
	ciams in the previous	years.									
	Region	A	В	C	D	E					
	Number of claims in	- 50									
		1 59	119	67	161	94					
	2010										
	% of claims before	10	25								
	2010	10	25	15	30	20					
	2010										
	Test whether there is	evidenc	e of a si	oni Gas							
C	claims. Use Chi Square	Test	e or a si	gninea	nt change	e in th	e distri	bution of			
\dagger											
-	alculate the makehilit	C 41							a .		
	Calculate the probabilit	y or thre	owing / w	ith two	dice.				[03]	CO4	L3
S	olve the given case.								[07]	CO4	13
S	et up ANOVA table	for the i	following	per he	ctare yiel	d for the	hree va	rieties of	(,		100
W	heat, each grown in fo	ur plots								1	
	Plots of Land			Variet	y of Whe	at					
-		A ₁			A ₂		A ₃				
-	1	6			5		5				
-	2	7			5		4				
_	3	3			3		3				
	4	8	1		7		-				

	average yields in the 3 varieties of wheat. (Use ANNOVA TEST)			
(c)	Outline the given problem and solve by Poisson Distribution. In a certain factory turning razar blades there is a small chance of 1/500 for any blade to be defective. The blades are in packets of 10. Use Poisson distribution to calculate the approximately number of packets containing (i) no defective, (ii) one defective. (iii) 2 defective blades respectively in a consignment of 10,000 packets.		CO3	1.4
3 (a)	Calculate the probability. A bag contains 6 red and 7 black balls. Find the	[03]	CO4	L3
(b)	probability of drawing a red ball. Summarize and compute the value of test and write the conclusion.	[07]	CO4	L5
(0)	A random sample of 200 tins of coconut oil gave an average weight of 4.95 kgs with a standard deviation of 0.21 kg. Do we accept the hypothesis of net weight 5 kgs per tin at 5%.			
(c)	Judge the case as per the requirement. Compute the Probability based on Normal Distribution. The weekly wages of 1000 workmen are normally distributed around a mean of Rs. 70 with a S.D.of Rs. 5. Estimate the number of workers whose weekly wages will be i. Between Rs. 69 and Rs. 72.		CO3	L5
	ii. Less than Rs. 69.			
	iii. More than Rs. 72. Part B - Compulsory (01*10=10 marks) - CASE STUDY			
4				
	Analyze the case given below. A computer company XYZ would like to choose the performance of programmers, scoring in 2 branches, located in different cities. The performance indices of employees:	[10]	CO4	1.4
	Branch A 84 68 78 49 45		1	

	Course Outcomes (COs)	P01	P02	PO3	P04	POS	PSO1	PSO2	PSO3	PSO4
CO1:	Understand how to organize, manage, and present the data.									
CO2:	Use and apply a wide variety of specific statistical tools.						machine 200			
CO3:	Understand the applications of probability in business.				la, 1b,		la, Ib,		3с	



CMR INSTITUTE OF TECHNOLOGY

SCHEME OF EVALUATION

Internal Assessment Test 2- May 2024

Sub:	STATISTICS	FOR MAN	NAGERS		TOTAL STATE OF THE			Code:	22MBA14
Date:	21-05-24	Duration:	90mins	Max Marks:	50	Sem:	1	Branch:	MBA

Note: Part A - Answer Any Two Full Questions (20*02=40 Marks)

Part B - Compulsory (01*10= 10marks)

	a)	Rosles es probability as:	3 m	3	
-		Mist by cotton made.			
1	b)	8: nomial Destablish (8)99 (CF + COSHED) 9 (0)99(0) 94 = 0.17.8	SMG. Stops 2mg. Ourses	7	20 M
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	b)	AVONGA		
A CONTRACTOR OF THE PROPERTY O		SST = 32 ; 35C = 8	6 m	
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	c)	Poisson Dudibution		
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		[:] = 1960		
1		[2] = 1.96=2	de la companya de la	

a)	P(ROZ BODO) - 6	go s	3	
b)	t = 3.57			
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c)	Down of who was	A Proposition of the Proposition	10	
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			According sugar	PHYLOGE		
В	4				10	10 M
	,		Ho is pegerbed			
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