19U246

(Pages: 3

SEC	COND SEMESTE	R B.Com. (PROFES	SIONAL)
		(Regular/Supple	ementary/Ii
	CC15U BCP	2 B08 - QUANTITA	TIVE TE
		(Co	ore Course)
Time	Thus House	(2017 Adı	mission on
1 11116	e: Three Hours	_	
		h Answer <i>all</i> questions	PART A
1	If the actual and	astimated value are a	emo tho at
1		(b) 1	
2	$(a) \cup$	(0) 1	(C)
2	. Regression analy	ysis consist of	coeffic
	(a) I	(b) 2	(c)
3	. When two event	s cannot occur togeth	er, they are
	(a) Equally like	ly	(b)
	(c) Sure event		(d)
4	A bag contains f	four white and three b	black balls.
	•••••		
	(a) 3:4	(b) 4:3	(c)
5	5. Normal distribut	tion is	
	(a) Continues	(b) discrete	(c)
Fill i	n the blanks		
6	5 is the	original hypothesis	
7	. A sample is sma	ll if no of items is	
8	. Analysis of var	iance utilizes	
9	. The statistical te	ests which do not foll	low any as
			•
1	0 The variable dis	tributed according to	the normal
1			
		I	PART B
	Ansv	ver any <i>eight</i> question	ns. Each qu
1	1. What is quantita	tive techniques?	

12. Define Probability.

(1)

: 3)	Name:
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NAL) DEGREE	E EXAMINATION, APRIL 2020
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ary/Improvement	nt)
E TECHNIQUI	ES FOR BUSINESS
ourse)	
on onwards)	
	Maximum: 80 Marks
A	
question carries	s 1 mark
he standard erro	or of estimate will be
(c) 2	(d) 3 or more
oefficients	
(c) 3	(d) none of the above
ey are called	
(b) mutually e	exclusive
(d) none of th	ese
balls. The odds	against drawing a white ball is
(c) 3:7	(d) 4:7
(c) a or b	(d) none of the above

ny assumption about population parameter are

ormal curve is a

(10 x 1 = 10 Marks)

B

ch question carries 2 marks.

Turn Over

13. Define probable error.									D (E	0					19U246
14. What are the two regression	n equations?					PART D (Essay Questions)									
15. Define complement of an e	event.				20 Det	form analysis	of variance	y questi	the foll	owing d	loto	.105 15 1	narks.		
16. Explain any two properties	of binomial distri	bution.			29. Fel	Econo deno	or variance	noin ع:							
17. What is sampling distributi	on means?					Foundry	0.4	(0)	I nrougn	put obta	ained				
18. What is Yates correction.						A	84	60	40	47	34		-	100	0.6
19. Explain perfect correlation.						В	67	92	95	40	98	60	59	109	86
20. What is meant by standard	normal curve?					С	46	93	100						
(8 x 2 = 16 Marks)					30. Fit	30. Fit a Poisson distribution for the following data									
PART C (Short answer questions)					No of mis	stakes	:	0	1	2	3	4			
Answer any six questions. Each question carries 4 marks.						No of pag	ges	:	211	90	19	5	0		
21. Explain scatter diagram with example.					31. Define probability, sample space different types of events addition and multiplication rule										
22. Find regression equation of	f y on x				for	probability, Ba	ayes theor	rem							
X: 42 4	14 58 55	89 98	66										(2 3	$x 15 = 3^{\circ}$	0 Marks)
Y: 56 4	49 53 58	65 76	58												
23. Three letters are selected fr	om the word ASS.	ASSINATION	S. What	s the probability that?											
(1) All are "S" (2) Two "A" and one "N"								****	***						
(3) Exactly one "I"	Exactly one "I" (4) At least one "A"														
24 It is known from past experience that in a certain plant there are on the average 4 industrial															
accidents per month. Find t	he probability that	in a given vear	there wil	be less than 3 accidents.											
25 Weekly wages of 1000 w	orkman are norma	ally distributed	with a r	nean of 70 and standard											
deviation 5 Estimate the n	o of workers whos	e wages will li	e hetwee	69 and 72											
26 Define type1 type2 errors				1 0 <i>7</i> und <i>7</i> 21											
27. Define non parametric res	\														
27. Define non_ parametric res	n	love of the com	, a a ava i	a according to a write that of											
	est whether the co	four of the son	s s eye i	s associated with that of											
the fathers.	G	. 1													
Son's eye colour															
Father's eye colour	Light	Not lig	ht												
Light	471	151													
Not light	414	230													

(6 x 4 = 24 Marks)