		Reg. No. :										
		Question Pa	perC	ode:	U57	703						
		B.E./B.Tech. DEGRI	EE EXA	MIN	ATI	ON,	NO	V 20	24			
		Fourth	Semeste	er								
		Mechanical	Engine	eering	3							
	21UME50)3 –OBJECT ORIENT	ED PY	ГНО	N PR	logi	RAN	AMI	NG			
		(Regulat	ions 202	21)								
Dur	ation: Three hours						Maximum: 100 Marks					
		Answer A	ll Quest	ions Mor	·lra)							
1.	is a valid way to declare a dictionary in Python.							(201-			
	(a) {1: "one", 2: "two", 3: "three"} (c) (1: "one", 2: "two				o", 3: "three")							
	(b) [1: "one", 2: "two", 3: "three"] (d) <1: "one", 2: "two					/0",	3: "t	hree	">			
2.	is the syntax used to get the input from the user.									CO	2 -Ar	
	(a) input()	(b) int()	(c) id	()				((d) it	er()		-
3.	By which statement can we come out of the loop?									C	201-	
	(a) continue	(b) leave	(c) ca	tch				((d) b	reak		
4.	is a built-in function in python. CO							201-				
	(a) fact()	(b) print()	(c) pc	wer				((d) so	quare	eroot	.()
5.	Brief the queue type	Brief the queue type LIFO CO1							201-			
	(a) 4.5	(b) First in first out	(c)]	First	in las	st out	t	(d) Las	st in :	first	out
6.	Which function is used to shuffle a list in Python?						CO1-U					
	(a) random.shuffle()	(b) shuffle()	(c) lis	t.shu	ffle())		((d) ra	andoi	m_li	st()
7.	How many objects and reference variables are there for the given CO4-Ap Python code?											
	class A: print("Inside clas A() A() obj=A() (a) 2 and 1	s")	(a)	and 1						and	2	

8.	Which of the following is not an OOPS concept?								
	(a) I) Abstraction							
9.	Wha	at will be output f	for the following code?			CO4 - App			
	try: print exce print (a) x	t(x) ept: t("An exception o x (b) An e	occurred") xception occurred	(c) Error	(d) None of the	above			
10.	Whe is sa	When an error occurs during the execution of a program, an exception is said to have been CO1 - U							
	(a) (Created	(b) Asserted	(c) Triggered	(d) Raised			
			PART - B(5)	x 6= 30 Marks)					
11.	Write a Python program to calculate the area of a circle with radius value of CO2 - App 10cm.								
12.	Write a program to print the word "WATERMELON" in vertical manner using CO2 - App for loop.								
13.	Write a python queue program for the range of 5 and returns FIFO. CO3 - App								
14.	Crea valu inhe	ate a class with the les into a new operitance.	ne name of addition to class multiply to mul	add any two not tiplication of	umbers and call t these numbers u	these CO4 - App using			
15.	Exp	CO1 - U							
			PART – C (5 x 10= 50 Mar	·ks)				
16.	(a)	 (a) Write a program to perform Addition, Subtraction, Multiplication, CO2 - App (10) Division, Modulus Division and Floor Division on two integer numbers (9, 6) and two floating-point numbers (10.1, 6.2). Or 							
	(b)	Write a python from the lists an lists: List1 = [10,11,1] List2 = [13,14,1] List3 = [16,17,1]	program to find the le d find the first column 2] 5] 8]	ngth of the list	s, form matrix from the given	CO2 - App (10)			
17.	(a)	If 91 to $100 = S$ 59 = B, $<50 = B$ else statements.	, 81 to $90 = A+$, 71 to RA. Find out grades for	80 = A, 60 to or 75, 85, 95 us	70 = B+, 51 to sing if elif and	CO2 - App (10)			

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- Or
- (b) Write a python program for display the odd and even numbers in a CO2 App (10) list using while loop. L1 = [1,2,3,4,5,6,7,8,9,10]
- 18. (a) Write a Python queue program for the range of 51 to 60 and returns CO3 App (10) first in first out.

Or

- (b) Write a Numpy program to create the 2D array CO3 App (10) [[1,2,3],[4,5,6],[7,8,9]] and find the addition of the two arrays and find the transpose for the output.
- 19. (a) Write a Phyton program to create two classes for calculating stress CO3 App (10) and strain by getting the input data from the user and use the output in third class and calculate the Young's Modulus value.

Or

- (b) Write a program to create inheritance for derived function from CO3 App (10) addition (addition of two numbers) and multiplication (multiplication of two numbers) class to division class (multiplication output / addition output).
- 20. (a) Write a Python String Format Program to draw a table with Left, CO3 App (10) Centre and Right alignment for the given below values:
 - 2 1 3 4 5 6 7 8 9 10 11 | 12 15 13 14 Or

'Zero Division Error occurred and handled'

'Name Error occurred and handled'