

Note : This question bank is only for reference purpose. LJU Test question paper may not be completely set from this question bank.

Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
466	5	<p>Explanation: If we delete L[0] or L[1], list will be balanced. [5, 2, 5, 8] (5+5) = (2+8) So L[0] and L[1] are special elements, So Count is 2. After removal of the special elements, list will be: [5, 2, 5, 8]</p> <p>Example 2:</p> <p>Input: L=[2,1,6,4]</p> <p>Output: Original List: [2, 1, 6, 4] Index to be removed is: 1 List after removing index 1: [2, 6, 4] Total Number of Special elements: 1</p> <p>Explanation: If we delete L[1] from list : [2,6,4] (2+4) = (6) Here only 1 special element. So Count is 1.</p>				
467	5	<p>Write Python Program to create a dictionary with the key as the first character and value as a list of words starting with that character.</p> <p>Example:</p> <p>Input: Don't wait for your feelings to change to take the action. Take the action and your feelings will change</p> <p>Output:</p> <pre>[{"D": ["Don't"], "W": ["wait", "will"], "F": ["for", "feelings", 'feelings'], "Y": ["your", 'your'], "T": ["to", 'to', 'take', 'the', 'the'], "C": ["change", 'change'], "A": ["action.", 'action', 'and'], "I": ["Take"]}]</pre>				
468	5	<pre>d={"student0":"Student@0","student1":"Student@11","student2":"Student@121", "student3":"Student@052","student4":"Student@01278","student5":Student@0125, Student@042", "student7":Student@07800,"student8":Student@012, "student9":Student@04789'}</pre> <p>Write a python program to update the password of any user given the above dictionary(d) which stores the username as the key of the dictionary and the username's password as the value of the dictionary. print the updated dictionary and print the username and password according to ascending order of password length of the updated dictionary.</p> <p>For the password updating of that username follow some instructions.</p> <p>① Give the three chances to user enter the correct username and password. If the user does not enter the correct username and password then display "enter correct password and username". if the user does not enter the correct username and password in a given three chances then display "enter correct password and username" and "try after 24h"</p> <p>② If the user enters the correct username and password in a given three chances. Give the three chances to user enter a new password to update the password of that username. If the user enters a new password not follow the below format, then display "follow the password format". if the user does not enter the password in a given format in a given three chances, then display "follow the password format" and "try after 24h"</p> <p>The check, of whether the new password format is correct or wrong makes the user define a function. That user define a function to return True or False for password valid or not. That user define function return value used in this program for new password validation.</p> <p>o New password must have the below format:</p> <ol style="list-style-type: none"> 1. at least 1 number between 0 and 9 2. at least 1 upper letter (between a and z) 3. at least 1 lower letter (between A and Z) 4. at least 1 special character out of @\$_ 5. minimum length of the password is 8 and the maximum length is 15 6. Do not use space and other special characters. Only uses @\$_ 				

**LJ Institute of Engineering and Technology, Ahmedabad.
FCSP-1 Question Bank (SEM-III)**

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Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
		If the new password follows the format of the password in a given three chances. then print the updated dictionary and print the username and password according to ascending order of password length of an updated dictionary. If the dictionary is not updated then take the old dictionary				
469	6	<p>The contents of names.txt is listed here:</p> <p>Moana Cinderella Tiana</p> <p>Which of the following code blocks will print all of the names in names.txt?</p> <p>I. names = open("names.txt", "r") for line in names: print(names) II. names = open("names.txt", "r") for line in names: print(line) III. names = open("names.txt", "r") for line in names: print("line")</p>	I	II	III	I & III both
470	6	<p>How many errors are in the code below? It should open the file in read-only mode, read each line and print each line and then close the file.</p> <pre>def print_contents(file) file_obj = open(file) for line in "file_obj": print(line_obj)</pre>	1	2	3	4
471	6	<p>What will be the output of the following Python code?</p> <pre>f = None for i in range(5): with open("data.txt", "w") as f: if i > 2: break print(f.closed)</pre>	True	False	None	Error
472	6	<p>Write the output of the First Print statement :</p> <pre>f=open("data.txt","w") f.write("Hello") f.write("Welcome to my Blog") f.close() f=open("data.txt","r") d=f.read(5)</pre> <p>print(d) # First Print Statement</p> <pre>f.seek(10) d=f.read(3) print(d) # Second Print Statement</pre> <pre>f.seek(13) d=f.read(5) print(d) # Third Print Statement</pre> <pre>d=f.tell() print(d) # Fourth Print Statement</pre>	Hello	Hell	ello	Hel
473	6	<p>Write the output of the second Print statement :</p> <pre>f=open("data.txt","w") f.write("Hello") f.write("Welcome to my Blog") f.close() f=open("data.txt","r") d=f.read(5)</pre> <p>print(d) # First Print Statement</p> <pre>f.seek(10) d=f.read(3) print(d) # Second Print Statement</pre> <pre>f.seek(13) d=f.read(5) print(d) # Third Print Statement</pre> <pre>d=f.tell() print(d) # Fourth Print Statement</pre>	om	me	co	oc

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474	6	<p>Write the output of the third Print statement:</p> <pre>f=open("data.txt","w") f.write("Hello") f.write("Welcome to my Blog") f.close() f=open("data.txt","r") d=f.read(5) print(d) # First Print Statement f.seek(10) d=f.read(3) print(d) # Second Print Statement f.seek(13) d=f.read(5) print(d) # Third Print Statement d=f.tell() print(d) # Fourth Print Statement</pre>	e to m	e to my	to my	to m
475	6	<p>Write the output of the forth Print statement:</p> <pre>f=open("data.txt","w") f.write("Hello") f.write("Welcome to my Blog") f.close() f=open("data.txt","r") d=f.read(5) print(d) # First Print Statement f.seek(10) d=f.read(3) print(d) # Second Print Statement f.seek(13) d=f.read(5) print(d) # Third Print Statement d=f.tell() print(d) # Fourth Print Statement</pre>	17	16	19	18
476	6	File is created if does not exist. If the file exists, file is truncated(past data is lost). Both reading and writing operation can take place. What is the text file mode?	'r'	'w'	'w+'	'a+'
477	6	From following which statement reads some bytes from the file and returns it as a string?	readlines()	read()	readline()	readpara()
478	6	From following which statement reads all the lines from the file and returns in the form of list?	readlines()	read()	readline()	readpara()
479	6	From following which statement write a string in file?	write()	writeline()	writelines()	writepara()
480	6	From following which statement writes a list in a file?	write()	writeline()	writelines()	writepara()
481	6	<p>Write the output of the following code</p> <pre>f = open("data.txt", "r") d = read() d1 = read(5) print(d) print(d1) #data file contains the following data Welcome to python program</pre>	Welcome to python program	Welco	error	Welcome to python program

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Sr. No.	unit - numb er	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
482	6	Consider following lines for the file friends.txt and predict the output: Friends are crazy, Friends are naughty ! Friends are honest, Friends are best ! Friends are like keygen, friends are like license key ! We are nothing without friends, Life is not possible without friends ! <pre>f = open("friends.txt") l1 = f.readline() l2 = f.readline(18) ch3=f.read(10) print(l2) print(ch3) print(f.readline()) f.close()</pre>	Friends are naughty ! Life is not possible without friends !	Friends are crazy, Friends are naughty !	Friends are honest , Friends are best !	Friends are like keygen, friends are like license key !
483	6	What happens if no arguments are passed to the seek function?	file position is set to the start of file	file position is set to the end of file	file position remains unchanged	error
484	6	Use the following file to predict the output of the following code: test.txt content: aaa bbb ccc ddd eee fff ggg Code: <pre>f=open("test.txt","r") print(f.readline(3))</pre>	aaa	ccc	bbb	Syntax Error
485	6	How many functions are used in the given code below?: <pre>fileobject=open('F1.txt','r') str=fileobject.readline() while str: print(str) str=fileobject.readline() fileobject.close()</pre>	1	2	3	5
486	6	What is the output of the following code? <pre>f=open("F1.txt","r") print(f.tell(),end="6") f.seek(5) print(f.tell())</pre>	165	650	065	506
487	6	What is the output of the following code? <pre>f=open("demofile.txt",'a') print("Is File Readable: ",f.readable()) print("Is File writable: ",f.writable()) print("Is File Closed: ",f.closed)</pre>	False, True, False	False, False, True	False, False, False	False, True, True
488	6	Use the following file to predict the output of the following code: test.txt content: Hi Hello Python Code: <pre>f=open('test.txt') data=f.readlines(3) print(data) f.close()</pre>	[‘Hi\n’, ‘H’]	[‘Hi\n’, ‘Hello\n’]	[‘Hi\n’, ‘Hello\n’, ‘Python’]	[‘Hi\n’]

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FCSP-1 Question Bank (SEM-III)**

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Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
489	6	<p>Write the output of the Second Print Statement and Third Print Statement:</p> <pre>f=open("data.txt",'w') f.write("Hello") f.write("This is Python") f.write("Python is easy") f.close() f=open("data.txt",'r') d=f.read(5) print(d) # First Print Statement f.seek(10) d=f.read(2) print(d) # Second Print Statement f.seek(14) d=f.read(5) print(d) # Third Print Statement d=f.tell() print(d) # Fourth Print Statement f.close()</pre>	is ython	is python	Th is Py	is easy
490	6	<p>What is the output of following code?</p> <pre>f=open("data.txt",'w') f.write("Hello World, We are here for coding") f.close() f=open('data.txt') f.seek(10) f.write("Hello world") print(f.read()) f.close()</pre>	Hello World	Hello World, We are here for coding	World, We are here for coding	Error
491	6	<p>How many errors are in the code below? It should open the file in read-only mode, read each line and print each line and then close the file.</p> <pre>def print_contents(file): file_obj = open(file) for line in [file_obj]: print(line_obj)</pre>	0	1	2	3
492	6	<p>Write the output of the Third Print statement :</p> <pre>f=open("data.txt",'w') f.write("Hello") f.write("Welcome to my Blog") f.close() f=open("data.txt",'r') d=f.read(3) print(d) # First Print Statement f.seek(12) d=f.read(3) print(d) # Second Print Statement f.seek(4) d=f.read(6) print(d) # Third Print Statement d=f.tell() print(d) # Fourth Print Statement</pre>	e to m	oWelco	Welcome	to my
493	6	<p>Select all true statements when a file is opened using the with statement.</p> <ul style="list-style-type: none"> I. The with statement simplifies exception handling II. The file is automatically closed after leaving the block, and all the resources that are tied up with the file are released. III. File reading and writing are faster using the with statement. 	only I	only II	both I and II	None of these
494	6	<p>To read 5th line from text file, which of the following statement is true?</p>	dt=f.readline(4) print(dt[4])	dt=f.readlines() print(dt[4])	dt=f.read(5) print(dt[3])	dt=f.read(4) print(dt[5])

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495	6	<p>What will be the output of the following code snippet? with open("hello.txt", "w") as f: f.write("Hello World how are you today")</p> <p>with open('hello.txt', 'r') as f: data = f.readlines() for line in data: words = line.split() print (words) f.close()</p>			Hello World how are you today	Hello Error
496	6	<p>Suppose content of 'Myfile.txt' is Humpty Dumpty sat on a wall Humpty Dumpty had a great fall All the king's horses and all the king's men Couldn't put Humpty together again</p> <p>What will be the output of the following code? myfile = open("Myfile.txt") record = myfile.readlines().split() print(len(record)) myfile.close()</p>	25	26	27	Error
497	6	<p>What will be the output of the following code snippet? f = open("data1.txt", "r+") txt = "This is 1st line\n" f.writelines(txt) f.seek(0,0) line = f.readlines() print ("Read Line: %s" % (line)) f.close()</p>	RuntimeError	SyntaxError	FileNotFoundException	AttributeError
498	6	<p>Consider following lines for the file friends.txt and predict the output: Friends are crazy, Friends are naughty ! Friends are honest, Friends are best ! Friends are like keygen, friends are like license key ! We are nothing without friends, Life is not possible without friends !</p> <p>f = open("FRIENDS.txt") l = f.readline() l2 = f.readline[16] ch3=f.read(10) print(ch3) print(l2) print(f.readline()) f.close()</p>	st, Friend Friends are hone s are best !	Friends are naughty ! Life is not possible without friends !	Friends are honest , Friends are best !	Friends are crazy, Friends are naughty !
499	6	<p>What is printed after executing this python code? f=open("abc.txt","w") x=[1,2,3] f.writelines(x) f.close()</p>	"1,2,3"	1,2,3	1	Error
500	6	<p>What will be the output of the following python code? f=open("info.txt",'w') f.writelines(["This","is","File-Handling","of","python"]) f.close() f=open("info.txt") f.read(2) f.seek(4) a=f.read(5) print(a) f.close()</p>	File-	isFile	isFil	sisFi

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Sr. No.	unit _ numb er	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
501	6	What will be the output of the following python code? f=None for i in range(5): with open("data.txt",'w') as f: if i>2: break print(f.closed)	FALSE	TRUE	3,4	None of these
502	6	What will be the output of the following code? f=open("file.txt","w+") f.write("hello") f.writelines(["how\n","are"]) f.seek(3) f.readline() print(f.tell()) f.close()	10	7	9	11
503	6	Write a function cust_data() to ask user to enter their names and age to store data in customer.txt file.				
504	6	Write a python program to create and read the city.txt file in one go and print the contents on the output screen.				
505	6	Write a function count_lines() to count and display the total number of lines from the file. Consider the following lines for the file – friends.txt. Friends are crazy, Friends are naughty ! Friends are honest, Friends are best ! Friends are like keygen, friends are like license key ! We are nothing without friends, Life is not possible without friends !				
506	6	Write a function display_oddLines() to display odd number lines from the text file. Consider the following lines for the file – friends.txt. Friends are crazy, Friends are naughty ! Friends are honest, Friends are best ! Friends are like keygen, friends are like license key ! We are nothing without friends, Life is not possible without friends !				
507	6	Write a Python program to read a text file and do following: 1. Print no. of words 2. Print no. statements				
508	6	Write a python program that reads a text file and changes the file by capitalizing each character of file.				
509	6	Write a Python program to copy the contents of a file to another file.				
510	6	Write a python program to read line by line from a given files file1 & file2 and write into file3.				
511	6	Write python program to count the number of lines in a file.				
512	6	Write a python program to search for a string in text files.				
513	6	Write a “pager” program. Your solution should prompt for a filename, and display the text file 25 lines at a time, pausing each time to ask the user to enter the word “continue”, in order to show the next 25 lines or enter the word “stop” to close the file.				
514	6	Using a file which consists of multiple statements, find all the words from the file that can be made from all the characters of given user's string. Note: If user enters same characters multiple times in a string, then word from file will only be eligible for output if it contains that character for same or more number of times in it. (if file have apple, greenapple and user's string is 'aepe' then output will only be greenapple. apple is not eligible as it contains e for 1 time only.) For example: If a given file is: 1 apple is fruit which is healthy 2 greenapple is tasty and sweet 3 oranges and bananas are good for health 4 fruits are good source of vitamins				

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		<p>String entered by user: nas Output words will be: oranges, bananas, vitamins</p> <p>String entered by user: isi Output words will be: vitamins</p> <p>String entered by user: eee Output words will be: greenapple</p>				
515	6	<p>Write a Python program to reverse the content of a one file and store it in second file and also convert content of second file into uppercase and store it in third file and also count number of Vowels in third file and also print only 2nd line from the content of third file.</p> <p>Examples: If data file one contains the following data: Friends are crazy, Friends are naughty ! Friends are honest, Friends are best !</p> <p>Output 1: ! tseb era sdneirF ,tsenoh era sdneirF ! ythguan era sdneirF ,yzarc era sdneirF</p> <p>Output 2: ! TSEB ERA SDNEIRF ,TSENOH ERA SDNEIRF ! YTHGUAN ERA SDNEIRF ,YZARC ERA SDNEIRF</p> <p>Output 3: Vowels = 22</p> <p>Output 4: ! YTHGUAN ERA SDNEIRF .YZARC ERA SDNEIRF</p>				
516	6	Write a python program to extract a list of all four-letter words that start and end with the same letter from a given text file.				
517	6	Write a python program to read a text file "Story.txt" and print only word starting with 'l' in reverse order. Example: If value in text file is : 'INDIA IS MY COUNTRY' Output will be: 'AIDNI SI MY COUNTRY'				
518	6	<p>Write a Python program to count words, characters and spaces from text file.</p> <p>Input:</p> <p>Python is a Easy Subject OOPs is One of the most interesting Topic</p> <p>Output:</p> <p>No of space: 10 No of word: 13 No of character: 64</p>				

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519	6	<p>File Filtering. write all lines of a file1, except those that start with a pound sign (#), the comment character for Python to file2. And display data of file2.</p> <p>Text file1 content:</p> <p>Friends are crazy, Friends are naughty ! #Friends are honest, Friends are best ! Friends are like keygen, #friends are like license key ! We are nothing without friends, Life is not possible without friends !</p> <p>Text file2 shoud be:</p> <p>Friends are crazy, Friends are naughty ! Friends are like keygen, We are nothing without friends, Life is not possible without friends !</p>				
520	6	<p>Write a python program to accept string/sentence from user till the user enters "END". Each string/sentence entered by user should be a newline in file. Save all the lines in file and display only those lines which begin with capital letter.</p> <p>Example: Enter Something (for quit enter END):Hi Friends Enter Something (for quit enter END):how are you all Enter Something (for quit enter END):I am fine Enter Something (for quit enter END):hope you all are fine Enter Something (for quit enter END):END The Line started with Capital Letters: Hi Friends I am fine</p>				
521	6	<p>Write a program to compare two text files. If they are different, give the line and column numbers in the files where the first difference occurs.</p> <p>Example: File 1: python1.txt Friends are crazy, Friends are naughty ! Friends are honest, Friends are best ! Friends are like keygen, friends are like license key ! new We are nothing without friends, Life is not possible without friends !</p> <p>File 2: python2.txt Friends are crazy, Friends are naughty ! Friends are honest, Friends are best ! Friends are like keygen, friends are like license key ! new We are nothing without friends, Life is not possible without friends !</p> <p>Output: line number 2 colNo. 9</p>				
522	6	<p>Write a Python program to count the frequency of words in a file</p> <p>Example: File 1: python1.txt Friends are crazy, Friends are naughty ! Friends are honest, Friends are best ! Friends are like keygen, friends are like license key ! new We are nothing without friends, Life is not possible without friends !</p> <p>Output: Friends - 5,are - 7,crazy, - 1,naughty - 1,! - 4,honest, - 1,best - 1,like - 2,keygen, - 1,friends - 2,license - 1,key - 1,new - 1,We - 1,nothing - 1,without - 2,friends, - 1,Life - 1,is - 1,not - 1,possible - 1,</p>				
523	7	To use a module in another module, you must import it using an _____ statement	import	include	1 AND 2	NONE OF THESE
524	7	Which statement is correct to import all modules from the package	from package import all	from package import *	from package include all	from package include *
525	7	A Python module is a file with the _____ file extension that contains valid Python code.	.pym	.pymodule	.module	.py
526	7	Which of the following returns a string that represents the present working directory?	os.getcwd()	os.cwd()	os.getpwd()	os.pwd()
527	7	Which of the following can be used to create a directory?	os.mkdir()	os.creat_dir()	os.create_dir()	os.make_dir()
528	7	Which of the following can be used to remove a directory?	os.rmdir()	os.rem_dir()	os.create_dir()	os.make_dir()
529	7	_____ is used to get the list of all files and directories in the specified directory.	os.listdir()	os.chdir()	os.listdir()	os.make_dir()
530	7	method in Python used to change the current working directory to specified path	os.rmdir()	os.chdir()	os.listdir()	os.make_dir()
531	7	How do you delete a file?	del(fp)	fp.delete()	os.remove('file')	os.delete('file')

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532	7	<pre>if mymod.py file has this code A=100 def add(a,b): print("The Sum:",a+b) def product(a,b): print("The Product:",a*b) and if we import that module as follow then what will be output? from mymod import * print(X) add(10,20) product(10,20)</pre>	888 The Sum: 30	888 The Sum: 30 The Product: 200	error	none
533	7	<pre>if mymod.py file has this code A=100 def add(a,b): print("The Sum:",a+b) def product(a,b): print("The Product:",a*b) and if we import that module as follow then what will be output? from mymod import * print(A) add(10,20) product(10,20)</pre>	100 The Sum: 30	100 The Sum: 30 The Product: 200	error	none
534	7	print(os.listdir("C:\.... file name")) what will be output?	give error	give name of removed file	change directory	get the list of all files and directories in the specified directory.
535	7	A .py file containing constants/variables, classes, functions etc. related to a particular task and can be used in other programs is called	module	library	classes	documentation
536	7	<pre>#mod1.py def change(a): b=[x*x for x in a] print(b) #mod2.py def change(a): b=[x*x for x in a] print(b) from mod1 import change from mod2 import change #main s=[1,2,3] change(s)</pre>	[2,4,6]	[2,4,6] [1,4,9]	[1, 4, 9]	[1, 2, 3]
537	7	<pre>if calc.py file has this code def sum(a,b): print(a+b) def sub(a,b): print(a-b) def mul(a,b): print(a*b) def div(a,b): print(a/b) def power(a,b): print(a**b) and if we import that module as follow then what will be output? import calc calc.power(5,3) calc.sum(5,7)</pre>	15 12	243 12	125 12	Error
538	7	What will be the output of the following python code? from math import factorial print(math.factorial(5))	Nothing is printed	120	24	NONE OF THESE

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539	7	What will be the Output of the following Python code? from math import factorial as m print(m(5))	NameError	120	240	ImportError
540	7	Write a python program to make a module which contain all the basic functions related to string and import that module in another file and use that fuctions with string given by user.				
541	7	Write a python program to create a directory and subdirectory. It should print the current working directory path and list of names of files present in the given directory.				
542	7	Write a python program to make a module named cal.py which contain all the basic functions related to calculator like addition, subtraction, multiplication, and division import that module in another file and use that functions with number inputs given by user.				
543	7	Write a program to create a module ‘first_word.py’, which returns the first word of any string passed. Show the working of the module, by calling the module with any suitable example. Input: ‘This is Python Programming’ Output: ‘This’				
544	7	Write a python program to copy content of File1 into File2 in which all lines of a file1 or remaining portion of line except those that have hash sign (#) (means comments). Input: # Hello LJ Wish you happy Republic #Day Happy 74th Republic Day What a #Parade at Kartavya Path Very Happy after watching that parade Output: Wish you happy Republic Happy 74th Republic Day What a Very Happy after watching that parade				
545	8	Which is not a feature of OOP in general definitions?	Efficient Code	Code reusability	Modularity	Duplicate data
546	8	represents an entity in the real world with its identity and behaviour.	A method	An object	A class	An operator
547	8	What will be the output of the following Python code? class test: def __init__(self,a="Hello World"): self.a=a def display(self): print(self.a) obj=test() obj.display()	The program has an error because constructor can't have default arguments	Nothing is displayed	"Hello World" is displayed	The program has an error display function doesn't have parameters
548	8	What will be the output of the following Python code? class test: def __init__(self,a): self.a=a def display(self): print(self.a) obj=test() obj.display()	Runs normally, doesn't display anything	Displays 0, which is the automatic default value	Error as one argument is required while creating the object	Error as display function requires additional argument
549	8	What is Instantiation in terms of OOP terminology?	Deleting an instance of class	Modifying an instance of class	Copying an instance of class	Creating an instance of class
550	8	Which of the following Python code creates an empty class?	class A: return	class A: pass	class A:	It is not possible to create an empty class
551	8	Which of the following is False with respect Python code? class Student: def __init__(self,id,age): self.id=id self.age=age std=Student(1,20)	"std" is the reference variable for object Student(1,20)	id and age are called the parameters	Every class must have a constructor	None of the above

LJ Institute of Engineering and Technology, Ahmedabad.
FCSP-1 Question Bank (SEM-III)

Note : This question bank is only for reference purpose. LJU Test question paper may not be completely set from this question bank.

Sr. No.	unit_number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
552	8	What will be the output of below Python code? <pre>class Student: def __init__(self,name,id): self.name=name self.id=id print(self.id) std=Student("Simon",1) std.id=2 print(std.id)</pre>	1 1	1 2	2 1	2 2
553	8	What will be the output of below Python code? <pre>class A(): def __init__(self,count=100): self.count=count obj1=A() obj2=A(102) print(obj1.count) print(obj2.count)</pre>	100 100	100 102	102 102	Error
554	8	Which of the following is correct? <pre>class A: def __init__(self): self.count=5 self.count=count+1 a=A() print(a.count)</pre>	5	6	0	Error
555	8	What will be the output of below Python code? <pre>class A: def __init__(self,num): num=3 self.num=num def change(self): self.num=7 a=A(5) print(a.num) a.change() print(a.num)</pre>	5 5	5 7	3 3	3 7
556	8	What will be the output of the following code? <pre>Point: def __init__(self): self.x = 0 self.y = 0 p = Point() q = Point() print("Nothing seems to have happened with the points")</pre>	class p q Nothing seems to have happened with the points	Nothing seems to have happened with the points	<__main__.Point object> <__main__.Point object> Nothing seems to have happened with the points	(0,0) (0,0) Nothing seems to have happened with the points

LJ Institute of Engineering and Technology, Ahmedabad.
FCSP-1 Question Bank (SEM-III)

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Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
557	8	<p>What will be the output of the following snippet? Point:</p> <pre>def __init__(self): self.x = 0 self.y = 0 p = Point() q = Point() print(p) print(q) print(p is q)</pre>	class <p><__main__.Point object> <__main__.Point object> True</p>	FALSE	<p><__main__.Point object> <__main__.Point object> False</p>	(0,0) (0,0) False
558	8	<p>Will this program will print last statement? try:</p> <pre>items = ['a', 'b'] third = items[1] print("This won't print") except Exception: print("got an error") print("continuing")</pre>	This won't print got an error continuing	got an error continuing	This won't print continuing	continuing
559	8	<p>What will be the output of this following snippet? try:</p> <pre>items = ['a', 'b'] third = items[2] print("This won't print") except Exception as e: print("got an error") print(e) print("continuing")</pre>	This won't print got an error continuing	got an error continuing	got an error list index out of range continuing	continuing
560	8	<p>Sanjeev has written a program for the file which already exists to read the content from the file. Indicate the line number if error exists in the given below code:</p> <pre>a=False #Line 1 while not a: #Line 2 try: #Line 3 f_n = input("Enter file name") #Line 4 i_f = open(f_n, 'r') #Line 5 except: #Line 6 print("Input file not found") #Line 7</pre>	No error	Line 1	Line 2	Line 3

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Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
561	8	<p>What will be output of the following code?</p> <pre>A=25 B=40 try: L=[] for i in range(2): L.append(A) print(L[3]) L.append(C) if len(L)<5: print(L) C=34 except IndexError: print("Not in range") except NameError: print("Not defined") except SyntaxError: print("Write properly")</pre>	Write properly	Not in range	Both A&B	SyntaxError
562	8	Which of the following is not a type of Error?	IO	EOF	Overflow	Underflow
563	8	How many except statements can a try-except block have?	zero	one	more than one	more than zero
564	8	When will the else part of try-except-else be executed?	always	when an exception occurs	when no exception occurs	when an exception occurs in to except block
565	8	When is the finally block executed?	when there is no exception	when there is an exception	only if some condition that has been specified is satisfied	always
566	8	<p>What will be the output of the following Python code?</p> <pre>def foo(): try: return 1 finally: return 2 k = foo() print(k)</pre>	1	2	3	Error, there is more than one return statement in a single try-finally block
567	8	<p>What will be the output of the following Python code?</p> <pre>def foo(): try: print(1) finally: print(2) k = foo() print(k)</pre>	1 2	2 2	1	2
568	8	<p>What will be the output of the following Python code?</p> <pre>def a(): try: f(x, 4) finally: print('after f') print('after f?') a()</pre>	No output	after f?	after f after f?	after f error
569	8	<p>What will be the output of the following Python code?</p> <pre>def getMonth(m): if m<1 or m>12: raise ValueError("Invalid") print(m) getMonth(6)</pre>	ValueError	Invalid	6	ValueError("Invalid")
570	8	Which of the following statements is true?	The standard exceptions are automatically imported into Python programs	All raised standard exceptions must be handled in Python	When there is a deviation from the rules of a programming language, a semantic error is thrown	If any exception is thrown in try block, else block is executed
571	8	Which of the following blocks will be executed whether an exception is thrown or not?	except	else	finally	assert

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Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
572	8	What will be the output of below Python code? <pre>f=open("sample2.txt",'w') f.write("Hello World") f.close() try: m=5 f=open("sample2.txt") print(m) print(f.read()) L=[1,2,3] L[100] except FileNotFoundError: print("File not found") except NameError: print("Variable not found") except Exception: print("List index out of range")</pre>	5 Hello World File not found	5 hello world List out index of range	5 Hello World List out index of range	Hello World 5 List index out of range
573	8	What will be the output of the following code? <pre>try: a=5 print(a) print(b except: print("This is python")</pre>	SyntaxError: invalid syntax	NameError	This is python	AttributeError
574	8	Create a class called NumberSet that accepts 2 integers as input, and defines two instance variables: num1 and num2, which hold each of the input integers. Then, create an instance of NumberSet where its num1 is 6 and its num2 is 10. Save this instance to a variable t				
575	8	Create a class called Animal that accepts two numbers as inputs and assigns them respectively to two instance variables: arms and legs. Create an instance method called limbs that, when called, returns the total number of limbs the animal has. To the variable name spider, assign an instance of Animal that has 4 arms and 4 legs. Call the limbs method on the spider instance and save the result to the variable name spidl Limbs				
576	8	Write a Python program to create a Vehicle class with max_speed and mileage instance attributes.				
577	8	Write a Python class named Student with two attributes student_name, marks. Modify the attribute values of the said class and print the original and modified values of the said attributes.				
578	8	Write a Python class named Student with two attributes student_id, student_name. Add a new attribute student_class. Create a function to display the entire attribute and their values in Student class.				
579	8	Write a Python class named Rectangle constructed by a length and width and a method which will compute the area of a rectangle.				
580	8	Write a Python class named Circle constructed by a radius and two methods which will compute the area and the perimeter of a circle.				
581	8	Write a python program to demonstrate the use of try-except-else in Exception handling				
582	8	Write a python program to demonstrate the use of raise in Exception handling				
583	8	Write a python program to demonstrate the use of custom exceptions in Exception handling.				

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Sr. No.	unit_number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
584	8	<p>Write a program to build a simple Student Management System using Object Oriented Programming in Python which can perform the following operations:</p> <p>accept-This method takes details from the user like name, roll number, and marks for two different subjects.</p> <p>display-This method displays the details of every student.</p> <p>search-This method searches for a particular student from the list of students. This method will ask the user for roll number and then search according to the roll number</p> <p>delete-This method deletes the record of a particular student with a matching roll number.</p> <p>update-This method updates the roll number of the student. This method will ask for the old roll number and new roll number. It will replace the old roll number with a new roll number.</p> <p>The following instructions need to be considered while making a program.</p> <p>1.Give class name as Student</p> <p>2.Include methods name as accept, display, search, delete and update. (1 mark for each correct method to be formed).</p> <p>3.Also form constructor with <code>__init__()</code> method (2 marks for forming constructor).</p> <p>4.2 marks for correct object prepared like after deletion of one roll no of student it should update the list with new roll no. and should display it.</p> <p>The example is just for understanding but logic should be for any n number of students.</p> <p>For Example:</p> <pre>List of Students Name : A RollNo : 1 Marks1: 100 Marks2: 100 Name : B RollNo : 2 Marks1: 90 Marks2: 90 Name : C RollNo : 3 Marks1: 80 Marks2: 80 Student Found, Name : B RollNo : 2 Marks1: 90 Marks2: 90 List after deletion Name : A RollNo : 1 Marks1: 100 Marks2: 100 Name : C RollNo : 3 Marks1: 80 Marks2: 80 List after updation Name : A RollNo : 1 Marks1: 100 Marks2: 100 Name : C RollNo : 2</pre>				

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Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
585	8	<p>You own a pizzeria named Olly's Pizzas and want to create a Python program to handle the customers and revenue. Create the following classes with the following methods:</p> <p>Class Pizza containing</p> <p>1.init method: to initialize the size (small, medium, large), toppings (corn, tomato, onion, capsicum, mushroom, olives, broccoli), cheese (mozzarella, feta, cheddar). Note: One pizza can have only one size but many toppings and cheese. (1.5 marks)</p> <p>Throw custom exceptions if the selects toppings or cheese not available in lists given above. (1 mark)</p> <p>2.price method: to calculate the prize of the pizza in the following way: small = 50, medium = 100, large = 200</p> <p>Each topping costs 20 rupees extra, except broccoli, olives and mushroom, which are exotic and so cost 50 rupees each.</p> <p>Each type of cheese costs an extra 50 rupees. (1.5 marks)</p> <p>Class Order containing</p> <p>1.init method: to initialize the name, customerid of the customer who placed the order (0.5 marks)</p> <p>2.order method: to allow the customer to select pizzas with choice of toppings and cheese (1 mark)</p> <p>3.bill method: to generate details about each pizza ordered by the customer and the total cost of the order. (2 marks)</p> <p>*Note: A customer can get multiple pizzas in one order.</p> <p>1.5 marks for creating appropriate objects of these classes and writing correct output.</p>				
586	8	<p>Write a class called WordPlay. It should have a constructor that holds a list of words. The user of the class should pass the list of words through constructor, which user wants to use for the class. The class should have following methods:</p> <p>words_with_length(length) — returns a list of all the words of length length starts_with(char1) — returns a list of all the words that start with char1 ends_with(char2) — returns a list of all the words that end with char2 palindromes() — returns a list of all the palindromes in the list only(str1) — returns a list of the words that contain only those letters in str1 avoids(str2) — returns a list of the words that contain none of the letters in str2</p> <p>Make Required object for WordPlay class and test all the methods.</p> <p>For Example:</p> <p>If input list entered by user is: ['apple', 'banana', 'find', 'dictionary', 'set', 'tuple', 'list', 'malayalam', 'nayan', 'grind', 'apricot']</p> <p>words_with_length (5) should return ['apple', 'tuple', 'nayan', 'grind'] starts_with ('a') should return ['apple', 'apricot'] ends_with ('d') should return ['find', 'grind'] palindromes () should return ['malayalam', 'nayan'] only ('bna') should return ['banana'] avoids ('amkd') should return ['set', 'tuple', 'list']</p>				

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Sr. No.	unit - number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)																
587	8	<p>Write a python program that has class store which keeps record of code and price of each product. Display a menu of all products to the user and prompt him to enter the quantity of each item required. generate a bill and display total amount.</p> <p>Sample Output:</p> <pre>enter no of items: 3 enter code of item: milk enter cost of item: 30 enter code of item: apple enter cost of item: 35 enter code of item: gems enter cost of item: 40 Item Code Price milk 30 apple 35 gems 40 Enter quantity of each item: Enter quantity of milk : 2 Enter quantity of apple : 3 Enter quantity of gems : 4</pre> <p>*****Bill*****</p> <table border="1"> <thead> <tr> <th>ITEM</th><th>PRICE</th><th>QUANTITY</th><th>SUBTOTAL</th></tr> </thead> <tbody> <tr> <td>milk</td><td>30</td><td>2</td><td>60</td></tr> <tr> <td>apple</td><td>35</td><td>3</td><td>105</td></tr> <tr> <td>gems</td><td>40</td><td>4</td><td>160</td></tr> </tbody> </table> <p>*****Total= 325</p>	ITEM	PRICE	QUANTITY	SUBTOTAL	milk	30	2	60	apple	35	3	105	gems	40	4	160				
ITEM	PRICE	QUANTITY	SUBTOTAL																			
milk	30	2	60																			
apple	35	3	105																			
gems	40	4	160																			
588	8	<p>Write a python program that has a class Point with attributes as the x and y co-ordinates.</p> <p>1.Add a method 'distance from origin' to class Point which returns the distance of the given point from origin. The equation is</p> <p>2.Add a method 'translate' to class Point, which returns a new position of point after translation</p> <p>3.Add a method 'reflect_x' to class Point, which returns a new point which is the reflection of the point about the x-axis.</p> <p>4.Add a method 'distance' to return distance of the given point with respect to the other point. The formula for calculating distance between A(x1,y1) and B(x2,y2) is</p> <p>After creating class blueprint run the following test case -</p> <p>Test Case – Point (1,2) Distance from origin - 2.23 Translate method - point (1,2) translated by (1,1) increment will be at (2,3) now Reflect_x Method - Point (2,3) after given reflection will be at (2,-3) Distance Method - distance between point (2,-3) and (3,4) is 1.41</p>																				
589	8	<p>A possible collection of classes which can be used to represent a music collection (for example, inside a music player), focusing on how they would be related by composition. You should include classes for songs, artists, albums and playlists. For simplicity you can assume that any song or album has a single "artist" value (which could represent more than one person), but you should include compilation albums (which contain songs by a selection of different artists). The "artist" of a compilation album can be a special value like "Various Artists". You can also assume that each song is associated with a single album, but that multiple copies of the same song (which are included in different albums) can exist.</p> <p>Write a simple implementation of this model which clearly shows how the different classes are composed. Write some example code to show how you would use your classes to create an album and add all its songs to a playlist. Class Album should have a method to add track, class Artist should have methods to add album and add song, class Playlist should also have a method to add song.</p>																				

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Sr. No.	unit_number	question_text	option1 (A)	option2 (B)	option3 (C)	option4 (D)
590	8	<p>Stacks and Queues. Write a class SQ that defines a data structure that can behave as both a queue (FIFO) or a stack (LIFO), There are five methods that should be implemented:</p> <p>1.make a constructor with a valid parameter 2.shift() returns the first element and removes it from the list. Also, use the custom(raise) exception in this method. 3.unshift() "pushes" a new element to the front or head of the list 4.push() adds a new element to the end of a list 5.pop() returns the last element and removes it from the list 6.remove() returns the maximum element of the list and removes it from the list. 7.Create the object and call all methods of the SQ class.</p>				
591	9	<p>What will be the output of the following Python code?</p> <pre>class Test: def __init__(self): self.x = 0 class Derived_Test(Test): def __init__(self): self.y = 1 def main(): b = Derived_Test() print(b.x,b.y) main()</pre>	0 1	1 0	Error because class B inherits A but variable x isn't inherited	Error because when object is created, argument must be passed like Derived_Test(1)
592	9	<p>What will be the output of the following Python code?</p> <pre>class A(): def disp(self): print("A disp()") class B(A): pass obj = B() obj.disp()</pre>	Invalid syntax for inheritance	Error because when object is created, argument must be passed	Nothing is printed	A disp()
593	9	Suppose B is a subclass of A, to invoke the __init__ method in A from B, what is the line of code you should write?	A.__init__(self)	B.__init__(self)	A.__init__(B)	B.__init__(A)
594	9	<p>What will be the output of the following Python code?</p> <pre>class Test: def __init__(self): self.x = 0 class Derived_Test(Test): def __init__(self): Test.__init__(self) self.y = 1 def main(): b = Derived_Test() print(b.x,b.y) main()</pre>	Error because class B inherits A but variable x isn't inherited	0 0	0 1	Error, the syntax of the invoking method is wrong
595	9	<p>What will be the output of the following Python code?</p> <pre>class A: def one(self): return self.two() def two(self): return 'A' class B(A): def two(self): return 'B' obj1=A() obj2=B() print(obj1.two(),obj2.two())</pre>	A A	A B	B B	B A