

QNO.	SECTION-B (02 MARKS EACH)				
22.	How is a mutable object different from an immutable object in Python? Identify one mutable object and one immutable object from the following: (1,2), [1,2], {1:1,2:2}, '123' A mutable object can be updated whereas an immutable object cannot be updated.				
23.	Give two examples of each of the following: <table border="0"> <tr> <td>(I) Arithmetic operators</td> <td>(II) Relational operators</td> </tr> <tr> <td>+, -, *, /, %, //, **</td> <td><, >, <=, >=, !=</td> </tr> </table>	(I) Arithmetic operators	(II) Relational operators	+, -, *, /, %, //, **	<, >, <=, >=, !=
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24.	If L1=[1,2,3,2,1,2,4,2, . . .], and L2=[10,20,30, . . .], then (Answer using builtin functions only) (I) A) Write a statement to count the occurrences of 4 in L1. L1.count(4) OR B) Write a statement to sort the elements of list L1 in ascending order. L1.sort()				
	(II) Write a statement to insert all the elements of L2 at the end of L1. L1.extend(L2) OR A) Write a statement to reverse the elements of list L2. L2.reverse()				
25.	Identify the correct output(s) of the following code. Also write the minimum and the maximum possible values of the variable b. <pre>import random a="Wisdom" b=random.randint(1,6) for i in range(0,b,2): print(a[i],end='#')</pre> (1, 2, 3, 4, 5, 6) (0, 3, 5) 1) W# 2) W#s# 3) W#s#o#				

	(II) Write an SQL command to remove the Primary Key constraint from a table, named MOBILE. M_ID is the primary key of the table. ALTER TABLE MOBILE DROP PRIMARY KEY; Write an SQL command to make the column M_ID the Primary Key of already existing table, named MOBILE. ALTER TABLE MOBILE ADD PRIMARY KEY (M_ID);
28.	A) List one advantage and one disadvantage of star topology. Advantage: Network extension is easy. Disadvantage: Failure of switch/hub results in failure of network. B) Expand the term SMTP. What is the use of SMTP? SMTP: Simple Mail Transfer Protocol. SMTP is used for sending e-mails from client to server.
26.	The code provided below is intended to swap the first and last elements of a given tuple. However, there are syntax and logical errors in the code. Rewrite it after removing all errors. Underline all the corrections made. <pre>def swap_first_last(tup) (tup): if len(tup) < 2: return tup indentation new_tup = (tup[-1],)+tup[1:-1]+(tup[0]) (tup[0],) return new_tup result = swap_first_last((1, 2, 3, 4)) print("Swapped tuple: " result) , result</pre>
27.	(I)(A) What constraint should be applied on a table column so that duplicate values are not allowed in that column, but NULL is allowed. UNIQUE A) What constraint should be applied on a table column so that NULL is not allowed in that column, but duplicate values are allowed. NOT NULL