I Term Examination: 2023-24 and montant and arrange

Class - XII (CBSE)

Time: 3 hrs. Subject - Computer Science (083) M.M.:70

General Instructions:-

- This question paper contains five sections, sections A to E. 1.
- 2. All questions are compulsory.
- Section A have 18 questions 01 mark each. 3.
- 4. Section B has 07 very short answer type questions carrying 02 marks each.
- Section C has 05 short answer type questions carrying 03 marks each. 5.
- Section D has 05 long answer type questions carrying 05 marks each must do to 6.
- 7. Section E has 02 questions carrying 04 marks each. not a rotal harry of MI * X
- All programming questions are to be answered using Python Language only. 6. or in Range (2 ° x):

SECTION - A

Attempt any 15 questions from question no. 1 to 21.

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Q.1-	State true or false:- [1]
	Python is a case-sensitive language.
Q.2-	
	a. position b. integer position c. index d. none of these
Q.3-	
	A [0.] L A [1 L F . 0]
Q.4-	Age[2:] + Age[1:3:2] A tuple is declared as T1 = $(5, 15, 20, 35)$. What will be the output of
	print(sum(T1) + min(T1))?
Q.5-	Identify the invalid identifier from the following:
. ~ .	_1, int, 2ab.python
Q.6-	What will be the output of the following code: () rewold == 1
2.0	for x in ["Python"]: :() rewolet, it its
	print(x.swapcase(), end='*") ()19qqu.i =+.1
Q.7-	State True or False:- () higher i his [1]
2.,	Python is a compiler based language. $(1+(i)\pi i)\pi i \Rightarrow + \pi$
Q.8-	Tytion is a complet based language.
Q.0-	Identify the valid declaration of test: [1] test =("Python: fun")
Q.9-	a. tuple b. list d. dictionary d. none of these Fill in the blank:-
Q. 3-	"PHYSTER AND
0.10	The smallest individual unit of python program is known as Fill in the blank:-
Q.10-	- 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 보는 이 그리고 있다. 그런 이 없는 이 없는 이 보고 있는데 이번 이 이 이 사람들이 있는데 이렇게 되었다. 그런데 그런데 그런데 그런데 그리고 있다. 그는데 그리고 있다. 그런데 그리고 있다. 그런데 그리고 있다. 그런데 그리고 있다. 그리고 있다면 그리고 있다. 그리고 있다면 그리고 있다. 그리고 있다면 그리고 있다면 그리고 있다면 그리고 있다. 그리고 있다면 그리고 있
O 11	The statement is an empty statement in python (a) inquire statement are the fellowing the statement of the statement in python (a) inquire statement of the statement of th
Q.11-	State whether the following statement is True or False:
0.10	The keys of a dictionary must be of immutable type.
Q.12-	Fill in the blank:- (0.0) mbnax.mol.nat = XD[1]
0.40	A parameter having default value in the function header is known as 141.
Q.13-	State whether the following statement is True or False:-
	A void function also returns a value i.e. none to its caller.
Q.14-	I'm in the blank.
	A is a word having special meaning and role as specified by programming
	language.
Q.15-	Which will be the output of the following python code?
	print([20, 60, 80].pop())
	a. 20 b. 60 d. None of these
Q.16-	Which of the following keywords marks the beginning of the function block? [1]
	a. fune to define e, def de None of these

Q.17-	Name the function/method to:-		1 2 2 2 2 2		[1]
	a. To calculate the length of a string.				
	b. To calculate the square root of a nur	mber.			[1]
Q.18-	What is the value of x?				
	x = int(13.254/2)			(ill and	
	a. 17 b. 14 c. 6	33.33 4-194	d. None o	t tnese	
	SECTION				
Q.19-	Rewrite the following code in Python af	ftar ram	oving all syntax	error(s).	
	Underline each correction done in the	-4-		600 111 115 11, 11	[2]
	def chkeum/\.		See As I To ART ART	.e03 i i i i 204	
	Y = INT(input("Enter a manufacture")	5 V5		사람이 있는 것이 생활하게 되어 어떻게	
	if $(x \% 2 = 0)$	250	The state of	The Continuous of the Continuo	mang Album
	for i in Range(2 * x):				
	nrint()				
	else: W. H. and management		HEROTOPIC VICE		
	print("#")			wild are oth	n place
	chksum()			Property of all	marin / Si
Q.20-	Explain any two features of Python.			traineaut p ut	
	OR			Lad hohie	
O 21	Differentiate between mutable and imp	nutable	data types in P	ython.	ro1
Q.21-	Find and write the output of the follow	ing Pytl	hon code:-	1400	
	s = "Python Code 123" print(s)	and the	mar 1 de Paul Arch 1 de 1	- Indisobal	
	Print(s)	ART G		ender (IT) mi	1871 1880
				of stantaut	
Ad.	if i.isupper():		- I- O	Carrier Charlet & C	Ware Al
	r += i.lower()			Tilbe Hill on the	or i di bi
	elif i.islower():			L. Louis Contraction	
	r += i.upper()				
1000	elif i.isdigit():	TRANSPAY V		1 (x 5,776 p 6,577 p 2,577) Tr	
	r + = str(int(i) + 1)	31.3		ue optifalse 1911	
	else :			adiquos kay	the state of the state of
	r = r + i		e jast je mar dr	the valid deck	
	print(r)			ython, hu	F)= (20) -
Q.22	What is python module? What is it's s	ignifica	nce?		(qui for
Q.23	Write the use of following operators in	n pythor	n:-	e blank.	(2 <u>]</u>
	a. //	MACHELL	odracja gast	Hest individual	[4] Marat sui
	b. **			Marida	u. A mar.
Q.24	What are the possible output(s) of the	followi	ing code? Also		
	maximum and minimum values that	can be a	1991@MPM HOWING	AND DIVINO	ray
Marie Ma	import fundom	Herum	ni kaya ta arra y	into property of the state of t	[2]
	PICK = random.randint(0, 3)			There late.	a (ast of a
	CITY = ["DELHI", "MUMBAI", "CHE for x in CITY:	INNAI"	"KOLKATA"	The various of	do en arra
		1. 1			
	for y in range(1, PICK):	A. Palerie			du ide
	print (x, end = " ")			Taction steels	
	print()			:blank.	diniil
	a. DELHIDELHI	Ъ.		a word have	a di Lina
	MUMBAIMUMBAI		MUMBAI		Linenage
	CHENNAICHENNAI		CHENNAI	"History of the Call!"	Sport 1 Mil
	KOLKATAKOLKATA		KOLKATA	ill value is	TOTAL TO
	c. DELHI	d.	. None of the	Sé	production of
	DEI LIIMI IMPAI			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1.5%

Q.25-	Define the following terms	S:-		roi
	a. Literals	Commission of the second		[2]
	b. Comments	of i llowing code ingarer		
	OR		. (a) increasai iel.	
	Convert the following for	loop into while loop	(Habbankgen)	
	for k in range(10, 20, 5):	Hamilton	
	print(k)			
			(. Mriene votre '9')	
		SECTION - C	We Dimmy	
Q.26-	Write a program to input	a number and check whether	given number is	
	Armstrong of not.	the state of the s	and the second of the second o	[3]
2.2/-	write a python function L	argest(Ist1) : which receives a	list Ist1 consist of	
	numbers and print the lar	gest number of the list.	onomer nolienal is suit #	[3]
		OR	In the considered flower deservers from	
	Write a function in Pythor	n to receive a string and print	frequency of every	
	alphabet.	A market State State		
Q.28-	What will be the output o	f the following python code?	What is acception in Pathi	[3]
	L1, L2 =[10, 15, 20, 25]	l[]	F then.	-
	for i in range(len(L1))	a of the following python cod		
	L2.insert(i,L1.pop	- 프레이트 아이트 - Colon Carlotter - 프로그램 - Child Incolon Carlotter - Carlotter - Carlotter - Carlotter - Carlotter	del Change(P. Q = 30):	
	print(L1, L2, sep="&"		Comment and Comment of the Comment o	
O 20		in Python that displays 4 lett	er words of inputted	
Q.29-	string. If the 'string is	in Tymor that displays Tiet	or words of inputacu	[3]
		han Brithan has so many foot	. (Q , # ,1)ming	[0]
		hon. Python has so many feat		
•	more comfortable interfac	ce.	2 = 150	
	Output:		$Q(t) = \hat{a}$	
	here		R = Change(R, S)	1.
C. M.	many	La form at a traplet the	rint(E, "#", 5)	i
	make	Part let 74	= Change(S)	
	more.		short notes on following	- White
0.30-	What is the utility of the	built-in function help()? Exp	lain with example.	[3]
2.00		OR	dack	a d
	Miles is the difference he	tween a local variable and a	global variable?	
	What is the unference be		vilt-in function	i i
		SECTION - D	Horasime in any	
		II II and the sea beautiful	month names and	on and the second
Q.31-	Write a proman to creat	e a dictionary whose keys are	onth Then perform	A CONTRACTOR OF THE PARTY OF
		r of days in corresponding m	ionin. Then perform	[5]
	following operations:		ti ut to toll boru	[0]
	a. Ask the user to enter	r a month name and use the c	dictionary to tell now	
	many days are there	in that month.		
	. m. i i and all the mor	the with 31 days.	A Second	
	4	a accept string st from the us	er. Pass the string to a	
Q.32-	a. Write python code to	which displays the consonar	nts present in the string s	it. [3]
	function Display(st)	Willest displays the computer		
	Sample Input :	Enter a string: Computer		
	Sample Output :	C		
		m		
		p		
		. . . • • • • • • • • • • • • • • • • • • •		
		* *		

	b.	What will be the output of following code fragment? def increment(n):	[2]
		n.append([4])	
		return n	
		L = [1, 2, 3]	
		M = increment(L)	
		print(L, M)	
Q.33-	- a.	Evaluate the following expressions:-	
		i. 16 - 8**2//6 + 8	[3]
		ii. not 20 > 21 and 6 > 5 or 7 > 9	
		iii. not False and True or False and True	
	b.	write a function remove_char(str1, n); which receives	
		integer n and removes character at nth index.	[2]
		the control of the co	[2]
O 24		<u>SECTION - E</u>	
Q.34-	a.	What is function in Python? Write any two advantages of functions in Python.	
	b.	Find and write the output of the following python code:	[2]
		def Change(P, $Q = 30$):	[2]
		P = P + Q	
		$\mathbf{Q} = \mathbf{P} \perp \mathbf{Q}$ almost ratio is explicitly to decrease of the convenience \mathbf{Q}	
en en		print(P, "#", Q)	
		return (P) and results and reason of earl modify and by a result is seen	
,		R = 150	
		S = 100	
		R = Change(R, S)	
		print(R, "#", S)	
		S = Change(S)	
Q.35-	Wr	ite short notes on following:-	
	a.	Keywords "The distribution of the section of the se	[4]
	b.	Block	
	c.	Tuple Palmasy selected and significant applies resourced social management	
	d.	Built-in function	

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