

KENDRIYA VIDYALAYA SANGATHAN, JAIPUR REGION

SESSION ENDING EXAMINATION 2018-19

MARKING SCHEME

SUBJECT:- INFORMATICS PRACTICES **CLASS:-** XI **M.M.70** **TIME:-** 3 HOURS

Q.1	Answer the questions	
(a)	CONTROL UNIT, ALU AND MEMORY	1
(b)	COMPUTER CAN PERFORM LOGICAL OPERATIONS BUT CALCULATOR CANNOT	1
(c)	Valid	2
	Invalid	
	MyDiary, File123, _Clear, Mynameisking, If	
	1num, while, Your.story	
(d)	1 MARK FOR DEFINITION. 1 FOR MEASURING UNITS	2
(e)	COMPILER CONVERAS A HLL PROGRAM INTO MACHINE LANGUATE IN ONE GO AND NEED NOT TO BE IN MEMORY ONCE A PROGRAM SUCCESSFULLY COMPILED INTERPRETER CONVERTS A HLL PROGRAM INTO MACHINE LANGUAGE LINE BY LINE AND NEEDS TO BE IN MEMORY EVERY TIME IN PROGRAM RUN	2
()	i. int	2
	ii. 10*20*30@	
Q.2	Answer the questions	
(a)	range() function generate a list of numbers in given range	1
(b)	A=int(input("Enter first num")) B=int(input("Enter second number")) Avg= (A+B)/2 print("the average is ", Avg);	2
(c)	Mutable :- That can be modified example List Immutable :- That can not be modified example Tuple,String	2
(d)	// perform floor operation % perform remainder operation a=236//10 will result 23 a=236/10 will result 6	2
(e)	a=int(input('enter a number')) if a%4==0: print("divisible") else: print("not divisible") 1 mark for correct if else 1 for correct input 1 for logic and print	3
OR		
1 mark for definition 2 mark for correct code		
Q.3	Answer the questions	
(a)	List1=[10,20,30,40,50,60] if Num in List1: print("Available")	3

	else: print("Not Available") OR any other method							
(b)	for a in range(1,4): print('hello ' * a) OR using while loop	3						
	OR							
	P=int(input()) R=int(input()) T=int(input()) I=P*R*T/100 print(I) 1 mark for input, 1 for formula and 1 for print							
(c)	i. Dictionary used key for every values where Tuple, String and List uses index number for each values (i) ii. List1.index(16) (ii) List1=[13,18,16,16,13,18] Write the appropriate code to find the index number of 16 (iii) cmue (iv) t1=().	4						
	OR							
	(i) def BigNum(a,b): if a>b: retrun(a) else: return(b) 1 mark for correct function and 1 mark for correct if else with return (ii) 1 mark for each correct definition							
Q.4	Answer the questions							
(a)	½ marks for each correct answer	1						
(b)	Returns the tuple of the shape	1						
(c)	1 mark for creating correct array 1 for printing dimension	2						
(d)	One dimensional labelled array that can store any data type	1						
(e)	What will be the output of following code?	1						
(f)	What is head() and tail() function ? What is the default value for head() and tail() function? It return first and last rows of given argument and default value is 5	2						
(e)	1 mark for creating data 1 for index 1 for correct structure	3						
Q.5	Answer the questions							
(a)	(i) <table border="1" style="margin-left: 20px;"> <tr> <td colspan="2" style="text-align: center;">Obj1</td> </tr> <tr> <td>A</td> <td>20</td> </tr> <tr> <td>B</td> <td>40</td> </tr> </table>	Obj1		A	20	B	40	2
Obj1								
A	20							
B	40							

	<table border="1"> <tr> <td>C</td> <td>60</td> </tr> </table> ii. <table border="1"> <tr> <td colspan="2">Obj1</td> </tr> <tr> <td>A</td> <td>False</td> </tr> <tr> <td>B</td> <td>True</td> </tr> <tr> <td>C</td> <td>True</td> </tr> </table>	C	60	Obj1		A	False	B	True	C	True	
C	60											
Obj1												
A	False											
B	True											
C	True											
(b)	1 mark for correct answer	1										
(c)	<pre>narr= np.array([[101,'atul'],[102,'manish'],[103,'rajesh']]) df1=pd.DataFrame(narr,columns=['roll','name'], index=[0,1,2])</pre> 2 marks creating 2d array 2 marks for dataframe	4										
	OR											
	(i) a b c 0 12 21 NaN 1 7 11 NaN 2 4 5 NaN (ii) a b c 0 20 20 NaN 1 10 10 NaN 2 4 4 NaN (iii) a b c 0 8 19 NaN 1 3 9 NaN 2 0 3 NaN (iv) a b c 0 5.0 20.0 NaN 1 2.5 10.0 NaN 2 1.0 4.0 NaN											
d	1 mark for each correct answer	2										
e	1 mark for correct expansion.	1										
Q.6	Answer the following											
(a)	Write one word answer with the reference of RDBMS <ol style="list-style-type: none"> i. A Table is also called Relation ii. A Field with special meaning is called _key iii. A Field in your table which is primary key of other table_foreign key iv. To get the data from two table we need to _join 	2										
(b)	(i) AdmNum, RegNum, Aadhar, Rollno+class (ii) Any one of the candidate key	2										
	OR											
(c)	i.Select Tcode,Tname,Subject from Teacher ii.Select * from teacher where tcode=104 iii.Select * from teacher where sex='M' and Desg='PGT' ivSelect * from teacher where Tsalary between 45000 and 5500	4										

	OR											
	i. UPDATE TEACHER SET Tsalary=55000 where Tname='Vinod';											
	ii. ALTER TABLE TEACHER ADD Remark VARCHAR(20);											
	iii. Delete from student											
	iv. Desc											
(d)	<table border="1"> <thead> <tr> <th>Tcode</th> <th>Tname</th> <th>Dno</th> <th>DNAME</th> <th>ADDRESS</th> </tr> </thead> <tbody> <tr> <td>102</td> <td>Sunita</td> <td>20</td> <td>COMMERCE</td> <td>JAIPUR</td> </tr> </tbody> </table>	Tcode	Tname	Dno	DNAME	ADDRESS	102	Sunita	20	COMMERCE	JAIPUR	2
Tcode	Tname	Dno	DNAME	ADDRESS								
102	Sunita	20	COMMERCE	JAIPUR								
Q.7	Answer the questions											
(a)	½ marks for each correct answer (Any Four)	2										
	i. Fishing ii. Virus iii. Cookies											
	v. Eavesdropping v. Bullying vi. Spamming											
(b)	½ mark for each point.	2										
(c)	Use of internet without revealing and sharing your browsing history	1										
(d)	½ marks for each correct answer	2										
(e)	(i) Both may be the victim of Cyber Crime because these are the common security answers a normal user sets and your system can be hacked by person 2 We should not do financial transaction using other's computer because your personal information may be revealed to person 1	1										
	(ii) Person 2 is doing Ethical Hacking by asking personal information	1										
	(iii) Key Logger is a software/Hardware that records you key strokes.	1										