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INDIAN SCHOOL MUSCAT SECOND PERIODIC TEST

ARTIFICIAL INTELLIGENCE

CLASS: IX DATE:14.12.2022 (Sub.Code: 417)

Time Allotted: 50mts.

Max .Marks: 20

GENER	AL INSTRUCTIONS:	
1.Th	is Question Paper has 4 Sections A, B, C and D.	
	ll Questions are compulsory. Part B, D have internal choices.	
	SECTION – A	
1.	Write True or False:	1
	Python offers huge collection of pre-built libraries for computation.	-
2.	is the summary of all the key points of 4W's into one single template.	1
3.	Write the output: print("Indian", "School", "Muscat")	1
4.	Identify the process of interpreting the acquired data to extract meaningful information. a. Problem scoping b. Data exploration c. Data acquisition d. Modelling	1
5.	Expand IDLE.	1
	SECTION – B	
6.	Write the difference between structured and unstructured data.	2
7.	Write any two benefits of Data exploration. Or Give an example for the following: a. Data visualization tool b. Python Library	2
8.	Python is Free and Open source – Justify	2
9.	Explain Dynamic memory allocation in Python.	2
10.	Explain Big data.	2



	SECTION – C	
11.	Write the steps to save and run a python program in script mode.	3
	SECTION – D	
12.	Write a python program to assign radius of the circle as 3cm and calculate its perimeter.	2
	Formula	
	Perimeter = $2\pi r(\pi=3.14)$	
	Or	
	Write a python program to multiply two numbers 134 and 450.	!
	(assign value to variable and perform operation)	

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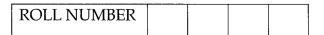
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GENER	AL INSTRUCTIONS:	
1.Th	nis Question Paper has 4 Sections A, B, C and D.	
	ll Questions are compulsory. Part B, D have internal choices.	
	SECTION – A	
1.	Write True or False:	1
	Python is platform independent.	
2.	Expand IDLE.	1
3.	is the summary of all the key points of 4W's into one	1
	single template.	
4.	Identify the process of interpreting the acquired data to extract meaningful	1
	information.	
	a. Problem scoping	
	b. Data exploration	
	c. Data acquisition	
	d. Modelling	
5.	Write the output:	1
	print("5*6")	
	SECTION – B	
6.	Python is an Interpreted Language – Justify	2
7.	F-ulain Domania and a literatura in D. (1	
/.	Explain Dynamic memory allocation in Python.	2
8.	Explain Spatiotemporal data.	2
9.	Write the difference between structured and unstructured data.	2
	The are difference services surdened and another detailed data.	_
10.	Write any two benefits of Data exploration.	2
	Or	
	Give an example for the following:	
	a. Data visualization tool	
	h Python Library	

	SECTION – C		
11.	Write the steps to save and run a python program in script mode.	3.	
	SECTION – D	1	
12.	Write a python program to assign radius of a circle as 4cm and calculate area the circle.	2	
	Formula Area= $\pi r^2(\pi=3.14)$		
	Or		
	Write a python program to subtract 134 from 450.		
	(Assign value to variable and perform operation)		

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CENTED	AT INCEPTIONS.	
GENEK	AL INSTRUCTIONS:	
1.TI	nis Question Paper has 4 Sections A, B, C and D.	
2. A	ll Questions are compulsory. Part B, D have internal choices.	
	SECTION – A	
1.	Write True or False:	1
	Python is case sensitive	
2.	is the summary of all the key points of 4W's into one single template.	1
3.	Write the output: print(5+6-2)	1
4.	Identify the process of interpreting the acquired data to extract meaningful information.	1
	a. Problem scoping	
	b. Data exploration	
	c. Data acquisition	
	d. Modelling	
5.	Expand IDLE.	1
	SECTION – B	
6.	Explain Big data.	2
7.	Write any two benefits of Data exploration.	2
	Or	
	Give an example for the following:	
	a. Python Library	
	b. Data visualization tool	
8.	Python is an Interpreted Language – Justify	2
9.	Write the difference between structured and unstructured data.	2

10.	Explain Dynamic memory allocation in Python.	2
	SECTION – C	
11.	Write the steps to save and run a python program in script mode.	3
	SECTION – D	
12.	Write a python program to assign length and breadth of the rectangle as 4 and 5cm respectively. Calculate area of rectangle. area = length x breadth Or	2
	Write a python program to add two numbers 134 and 450. (Assign value to variable and perform operation)	