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| ROLL NUMBER | | | | |
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SET A



INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

ARTIFICIAL INTELLIGENCE

CLASS: IX

(Sub.Code: 417)

Time Allotted: 50mts.

DATE:14.12.2022

Max .Marks: 20

GENERAL INSTRUCTIONS:

- 1.This Question Paper has 4 Sections A, B, C and D.
2. All Questions are compulsory. Part B, D have internal choices.

SECTION – A

| | | |
|----|---|---|
| 1. | Write True or False : Python offers huge collection of pre-built libraries for computation. | 1 |
| 2. | is the summary of all the key points of 4W's into one single template. | 1 |
| 3. | Write the output: <code>print("Indian","School","Muscat")</code> | 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.

Formula

$$\text{Perimeter} = 2\pi r (\pi=3.14)$$

Or

Write a python program to multiply two numbers 134 and 450.

(assign value to variable and perform operation)

2

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SET B



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SECTION – A

| | | |
|----|---|---|
| 1. | Write True or False: Python is platform independent. | 1 |
| 2. | Expand IDLE. | 1 |
| 3. | is the summary of all the key points of 4W's into one single template. | 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. | Write the output: print("5*6") | 1 |

SECTION – B

| | | |
|-----|--|---|
| 6. | Python is an Interpreted Language – Justify | 2 |
| 7. | Explain Dynamic memory allocation in Python. | 2 |
| 8. | Explain Spatiotemporal data. | 2 |
| 9. | Write the difference between structured and unstructured data. | 2 |
| 10. | Write any two benefits of Data exploration. Or Give an example for the following: a. Data visualization tool b. Python Library | 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 a circle as 4cm and calculate area the circle.

Formula

$$\text{Area} = \pi r^2 (\pi = 3.14)$$

Or

Write a python program to subtract 134 from 450.

(Assign value to variable and perform operation)

2

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SET C



INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

ARTIFICIAL INTELLIGENCE

CLASS: IX

(Sub.Code: 417)

Time Allotted: 50mts.

Max .Marks: 20

DATE:14.12.2022

GENERAL INSTRUCTIONS:

- 1.This Question Paper has 4 Sections A, B, C and D.
2. All Questions are compulsory. Part B, D have internal choices.

SECTION – A

| | | |
|----|---|---|
| 1. | Write True or False: Python is case sensitive | 1 |
| 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. a. Problem scoping b. Data exploration c. Data acquisition d. Modelling | 1 |
| 5. | Expand IDLE. | 1 |

SECTION – B

| | | |
|----|--|---|
| 6. | Explain Big data. | 2 |
| 7. | Write any two benefits of Data exploration. Or Give an example for the following: a. Python Library b. Data visualization tool | 2 |
| 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. | <p>Write a python program to assign length and breadth of the rectangle as 4 and 5cm respectively. Calculate area of rectangle.</p> <p>area = length x breadth</p> <p style="text-align: center;">Or</p> <p>Write a python program to add two numbers 134 and 450. (Assign value to variable and perform operation)</p> | 2 |