INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

INFORMATICS PRACTICES

Subject Code: 065

SET – A

CLASS: XII	Time Allotted: 50 mts
DATE : 19.04.2022	Max. Marks: 20

GENERAL INSTRUCTIONS:

1.Read the Questions carefully and write the Answers

2. All the Questions are compulsory

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1.	Write any Two purpose of Data.	1
2.	Define Data Processing Cycle.	1
3.	Write the full form of NumPy and any one use.	1
4.	Define 1D array in NumPy.	1
5.	What is the use arange( ) in NumPY? Explain with an example.	2
6.	Write a simple code to create an array with five zero values.	1

7. Find the output of the following: 2
    import numpy as ap
    a=ap.array([24,67,89,45,32])
    print(a)
    print(a*3)

8. Find the output of the following: 2
    import numpy as np
    a=np.array([10,20,30,40,50,60])
    b=a
    a[1]=70
    print(a)
    print(b)

9.	Define shape attribute of 2D array.	1
10.	Explain the reshape( ) method of 2D array with an example.	2

11. Find the output of the following:
    import numpy as np
    a=np.array([20,30,40,45,65,79,91]
    print(a[: :2])   1

    print(a[-4:-2])   1

12. Define eye( ) with an example.   1

13. What is the use of hstack() ?Explain.   1

14. Define vsplit( ) with an example.   1

15. Write a python code to create the following array   1
    [[20 30 40]
    [45 65 79]]

16. Define ndim attribute of 2D array.   1

End of the Question Paper

INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

INFORMATICS PRACTICES

Subject Code: 065

SET – B

CLASS: XII

Time Allotted: 50 mts

DATE : 19.04.2022

Max. Marks: 20

GENERAL INSTRUCTIONS:

1. Read the Questions carefully and write the Answers

2. All the Questions are compulsory

1.	Define 1D array in NumPy.	1
2.	Find the output of the following: import numpy as np a=np.array([10,20,30,40,50,60]) b=a a[1]=70 print(a) print(b)	2
3.	Define Data Processing Cycle.	1
4.	Write the full form of NumPy and any one use.	1
5.	Explain the reshape( ) method of 2D array with an example.	2
6.	Find the output of the following: import numpy as ap a=ap.array([24,67,89,45,32]) print(a) print(a*3)	2
7.	Write a simple code to create an array with five zero values.	1
8.	What is the use arange( ) in NumPY? Explain with an example.	2
9.	Find the output of the following: import numpy as np a=np.array([20,30,40,45,65,79,91] print(a[: :2])	1

print(a[-4:-2])   1

10.   Write any Two purpose of Data.   1

11.   Define ndim attribute of 2D array.   1

12.   Write a python code to create the following array   1
      [[20 30 40]
       [45 65 79]]

13.   Define vsplit( ) with an example.   1

14.   What is the use of hstack() ?Explain.   1

15.   Define shape attribute of 2D array.   1

16.   Define eye( ) with an example.   1

End of the Question Paper

INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

INFORMATICS PRACTICES

Subject Code: 065

SET – C

CLASS: XII   Time Allotted: 50 mts

DATE : 19.04.2022   Max. Marks: 20

GENERAL INSTRUCTIONS:

1.Read the Questions carefully and write the Answers

2. All the Questions are compulsory

1.	Define eye( ) with an example.	1
2.	Define shape attribute of 2D array.	1
3.	What is the use of hstack() ?Explain.	1
4.	Define vsplit( ) with an example.	1
5.	Write a python code to create the following array [[20 30 40] [45 65 79]]	1
6.	Define ndim attribute of 2D array.	1
7.	Write any Two purpose of Data.	1

8. Find the output of the following:
   import numpy as np
   a=np.array([20,30,40,45,65,79,91])

   print(a[: :2])   1

   print(a[-4:-2])   1

9. What is the use 1rrange( ) in NumPY? Explain with an example.   2

10. Write a simple code to create an array with five zero values.   1

11. Find the output of the following: 2
    import numpy as ap
    a=ap.array([24,67,89,45,32])
    print(a)
    print(a*3)

12. Explain the reshape( ) method of 2D array with an example. 2

13. Define 1D array in NumPy. 1

14. Find the output of the following: 2
    import numpy as np
    a=np.array([10,20,30,40,50,60])
    b=a
    a[1]=70
    print(a)
    print(b)

15. Write the full form of NumPy and any one use. 1

16. Define Data Processing Cycle. 1

End of the Question Paper