NUMPY TEST ANSWERS

Name-Shubham Sarkar

1. A) Numerical Python

2. B) np.array([1, 2, 3, 4, 5]

3. A) [[1, 2, 3], [4, 5, 6]].

1. B) arr.ndim
2. B) print(myArr[0])
3. B) print(arr[1, 2])
4. A) print(arr[2:6])
5. A) print(arr[3:])
6. B) print(arr[::2])
7. A) arr.dtype
8. C) arr = np.array([1, 2, 3, 4], dtype=np.float)
9. B) The view SHOULD BE Affected by the changes made to the original array.
10. C) The copy SHOULD NOT be affected by the changes made to the original array
11. C) The shape is the number of elements in each dimensions.
12. A) arr.shape
13. A) Concatenate()
14. A)array\_split()
15. A) where()
16. A) np.where(arr==4)
17. C) sort()
18. A) np.random.randint(100)
19. B) random.normal(size=1000, loc=50, scale=0.2)
20. B) np.add((arr1, arr2))
21. D) np.subtract(arr1, arr2)
22. D) np.around()

26. B) [1 3 6]

27. D) All the above

28. B) array([2, 3, 4, 5, 6, 7])

29. c) 3

30. C) It returns the byte size of each element of the array

31. A) 6

32. B) array([1, 2, 3, 4, 5])

33. B) a = np.array([(1, 2, 3), (4, 5, 6)]); a.reshape(2, 4)

1. D) float64
2. D) None of the Above

36. A) array([1, 2, 3, 4, 5, 6])

37. B) arr = np.array([[1, 2, 3], [4, 5, 6]]); np.hstack((arr, arr))

38. C) full()

39.B) a1 = np.array([1, 2, 3, 3]); a2 = np.array([0, 4, 9]); np.add(a1, a2)

40.C) A.T

41.B) 108

42.A) number of items

43.A) 8

44.D) reshape()

45.C) To create a matrix with all elements as 0

46.A) [[[1]], [[2]], [[3]], [[4]]]

47.D) All of the mentioned above 48.A) array([[0, 2], [1, 3]]) 49.A) [[[10]] [[20]] [[30]] [[40]]] 50.A)ndarray

51.C) Negative one