NUMPY TEST ANSWERS

1. A) Numerical Python
2. B) np.array([1, 2, 3, 4, 5]
3. B) [1, 2, 3, 4, 5]
4. B) arr.ndim
5. B) print(myArr[0])
6. A) print(arr[7, 2])
7. B) print(arr[2:5])
8. A) print(arr[3:])
9. B) print(arr[::2])
10. A) arr.dtype
11. C) arr = np.array([1, 2, 3, 4], dtype=np.float)
12. B) The view SHOULD BE Affected by the changes made to the original array.
13. C) The copy SHOULD NOT be affected by the changes made to the original array
14. C) The shape is the number of elements in each dimensions.
15. A) arr.shape
16. A) Concatenate()
17. D) All the other 3 answeres are correct
18. A) where()
19. A) np.where(arr==4)
20. C) sort()
21. A) np.random.randint(100)
22. B) random.normal(size=1000, loc=50, scale=0.2)
23. D) np.sum((arr1, arr2))
24. D) np.subtract(arr1, arr2)
25. A) All the other 3 are rounding methods in NumPy
26. B) [1 3 6]
27. D) All the above
28. B) array([2, 3, 4, 5, 6, 7])
29. D) (1, 2, 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)
34. D) float64
35. 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