

Grade XI Computer Science Revision

Q-1 Tick the correct option

1. At the end of this program, what value the variable 'num' will hold?
a. Entered by user b. reversed of the number c. 0 d. None of these.
2. Which of the following functions is used to display the length of a string?
a. Length() b. len() c. size() d. count()
3. The _____ operator is used to repeat a string for a specified number of times.
a. + b. * c. / d. #
4. Which built in function can create an empty list?
a. Index() b. createlist() c. list() d. make()
5. A _____ uses square brackets for comma-separated values in Python.
a. List b. String c. Tuple d. Dictionary
6. Which of the following function will add the list of elements at the end of another list?
a. List() b. add() c. append() d. extend()
7. Tuples created using comma-separated tuples of elements are called _____ tuples.
a. Double b. small c. second d. nested
8. An entry in a dictionary consists of a _____ and its associated _____.
a. Index, element b. key, value c. key, element d. index, value
9. The _____ Function will return None, if a key is not found in the collection.
a. Keys() b. key() c. get() d. getkey()
10. The median() function can be used in python program by importing _____ Module.
a. Math b. statistics c. trigonometry d. random
11. To generate random floating point numbers, the _____ function is used from the random module.
a. Randrange() b. random() c. randint() d. All of these

12. You can check that a little _____ icon is present in the web address bar to see if a site is safe.
 a. Cross b. Lock c. Key d. pointer
13. _____ include being aware of the risks that occur with your online activities and implementing a few measures to prevent or eliminate these risks.
 a. Cybercrime b. Cybersafety c. cyber world d. cyberEthics
14. _____ means that only the authorized users get access to sensitive and confidential data.
 a. confidentiality b. identity c. authentication d. encryption
15. _____ refers to the rules and regulation that are used to restrict access to a system or to _____ physical or virtual resources.
 a. Access control b. confidentiality c. safety control d. Denial to access

Q-2 Fill in the blanks.

1. An empty list can be created by using the _____ function.
2. A _____ is used to explore the internet, which serves as a bridge between a user and the internet.
3. While browsing, Cookies and website data are saved but they are removed when you quit _____ mode.
4. The pre-defined functions in python are also called _____.
5. The _____ function rounds off the value to the next largest integer.
6. The dictionary is a _____ type of data type.
7. The keys of dictionary data type must be _____ type.
8. A list within a list is called a _____ list.
9. An empty list can be created by using the _____ Function.
10. First index of a string in python is _____.
11. A _____ is used as a slicing operator.
12. The _____ function adds the elements of the sequence and returns their sum.
13. Tuple is an _____ data type.
14. The _____ operator replicates the tuple item.
15. Operating system is an example of _____.

Q-3 Short Question Answer .

1. How does VPN protect your privacy ? .
2. What is indexing in string?
3. What is difference between the sort() and sorted() functions?
4. Define dictionary with an example.
5. What do you mean by module?
6. What is incognito browsing?
7. What is the purpose of len() function?
8. What is the purpose of Indian Information Technology Act 2000?

Q-4 Answer the following.

1. What is the use of sqrt() function in python.
2. Discuss the characteristics of dictionary data type.
3. What are the different type of operations that you can perform on a string?
4. What is the index of the first character of a string stored in memory?
5. Write a python program using built-in function to sort.
6. What is nested Loop?
7. What is different between the list, tuple, dictionary?
8. How to renaming a module in python?
9. Write a program that generates only 6-digit number.
10. Define a Dictionary

Q-5 Long Question Answer.

1. What do you mean by cyber security with example.
2. How many type of numeric literals are supported by Python?
3. What are the different ways to create a multiple string literals?
4. What are Literals in python? Explain the different types of literals?
5. Write a Program to calculate area of triangle , obtain height and base from the user.
6. Write a program to input two values and interchange these values using the third variable.
7. Explain Tuples with example.
8. Explain string operation with example.
9. Explain math function with example
10. How to create a list in Python.