

SATISH CHANDRA MEMORIAL SCHOOL
PRACTICE TEST (2025-26)
CLASS XI
COMPUTER SCIENCE (083)

Time Allowed : 40 mins

Maximum Marks: 30

In the following questions, a statement of Assertion(A) is followed by a statement of Reason (R). Make the correct choice :

- A. Both A and R are true, and R is the correct explanation of A.
- B. Both A and R are true, but R is NOT the correct explanation of A.
- C. A is true, but R is false.
- D. A is false, but R is true

Q1

(10 X 1 = 10)

Assertion(A): An application software is designed to run the computer system smoothly and effectively.

Reason(R): An application software is the set of programs to fulfil the specific needs of the user. The Microsoft Office package includes some well-known application software such as MS- Word, MS-Excel, MS-Power Point, MS-Access to perform specific task.

Q2

Assertion(A): The octal number system has a base value of 8.

Reason(R): The octal number system uses 8 digits, from 0 to 7, to form numbers.

Q3

Assertion(A): Lists in Python are mutable.

Reason(R): Lists do not support indexing and slicing.

Q4

Assertion(A): break and continue are termed as Jump statements.

Reason(R): Jump statements can only be used with looping constructs but not with conditional constructs.

Q5

Assertion(A): ""A Sample Python String"" is a valid Python String.

Reason(R): Triple Quotation marks are not valid in Python.

Q6

Assertion(A): List has indices to access the elements.

Reason(R): The list is an ordered data type.

Q7

Assertion(A): Lists and Tuples are similar sequence types of Python, yet they are two different data types.

Reason(R): List sequences are immutable and Tuple sequences are mutable

Q8

Assertion(A): In a dictionary, values must be unique.

Reason(R): Dictionary keys must not be repeated.

In the following questions, a statement of Assertion(A) is followed by a statement of Reason (R). Make the correct choice :

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Q9

Assertion(A) : To use a function from a particular module, we need to import the module.

Reason (R): import statement should be written after function call to a function of that module

Q10

Assertion (A): Cyberbullying is a form of cybercrime that involves harassing someone online.

Reason (R): Cyberbullying can cause emotional harm but is not considered a criminal offense.

Q11

Meena is a budding artist who regularly uploads her original digital artwork to social media platforms to showcase her talent. Recently, she discovered that some of her artwork was copied by an unknown seller, printed on t-shirts and mugs, and sold online without her permission or giving her any credit. Meena felt cheated and began researching her rights as a creator and how to legally protect her work.

Answer the following:

(5)

- (a) What type of cybercrime is depicted in this situation?
- (b) Why is it important for creators like Meena to protect their digital content?
- (c) Suggest two preventive measures Meena can take to avoid misuse of her artwork in the future.
- (d) Name any two Indian laws or acts that can help Meena in such cases.
- (e) If Meena wants to take legal action, what should be her first step?

Q12

(5)

Start with the list [8,9,10].

Do the following using list functions:

- (a) Set the second entry (index 1) to 17
- (b) Add 4,5 and 6 to the end of the list.
- (c) Remove the first entry from the list.
- (d) Sort the list
- (e) Print the list element twice.

Q13

(5)

Taniya is a beginner of using software. She opened a start-up company to do business. She wants to purchase some software for writing reports, saving employees data, mathematical calculations, watching videos, listening music, presentation in meeting, real time communication with audio & video and email. She is confused to take proper decision for few applications software. Being a well-wisher of Taniya,

What will you suggest her to purchase the software for the said purposes.

- (a) Writing report in office.
- (b) Database software to save employee data.
- (c) Software for mathematical calculations.
- (d) Software for real time communication with audio & video.
- (e) Application software for email communication.

Q14**(5)**

Consider the given tuple and write the output of given statements:

T1= (1, 23, 4, 5, "A",["C","D"], (23, 45), 45)

(a) print(len(T1))

(b) print(T1.index(45))

(c) print(T1.count(45))

(d) print(T1 [5][0]*2)

(e) print(T1 [:5])
