

Follow us on all social media as ICT SHIKSHA SCIENCE

For any query contact at - ictshikshascience@gmail.com

Follow this link to join WhatsApp group:

<https://chat.whatsapp.com/JV81yNEDIA6EcSsTS9CQSQ>

Follow this link to join Telegram group:

https://t.me/+49aPLIYL_DkxNDVI

CLASS: XII Sec _____

St Name: _____

Computer Science

Examination Paper

MM. 40

Time: 90 Mins

GENERAL INSTRUCTIONS:

1. This question paper contains 2 sections, Section A and B.
2. All questions are compulsory. And internal choice is given in Section B only.

Section A

Solve the following questions. (1 mark each)

1. What will be the value of the expression?

$14 + 13 \% 15$

- (a) 14 (b) 27 (c) 12 (d) 0

2. Evaluate the expression given below if $A = 16$ and $B = 15$.

$A \% B // A$

- (a) 0.0 (b) 0 (c) 1.0 (d) 1

3. Which among the following list of operators has the highest precedence?

$+, -, **, \%, /, <<, >>, |$

- (a) $<<, >>$ (b) $**$ (c) $|$ (d) $\%$

4. Which of the following expressions results in an error?

- (a) `float('12')` (b) `int('12')` (c) `float('12.5')` (d) `int('12.5')`

5. Which of the following statement prints the shown output below?

`hello\example\test.txt`

- (a) `print("hello\example\test.txt")` (b) `print("hello\\example\\test.txt")`
(c) `print("hello\"example \"test.txt")` (d) `print("hello\"example\"test.txt")`

Fill ups

6. Python's _____ cannot be used as variable name.
7. Using _____ function, you can make a true copy of a list.
8. The built-in function `randrange()` belongs to _____ module.

Follow us on all social media as ICT SHIKSHA SCIENCE

For any query contact at - ictshikshascience@gmail.com

Follow this link to join WhatsApp group:

<https://chat.whatsapp.com/JV81yNEDIA6EcSsTS9CQSQ>

Follow this link to join Telegram group:

https://t.me/+49aPLIYL_DkxNDVI

Q9-10 are ASSERTION AND REASONING based questions. Mark the correct choice as

- (a) Both A and R are true and R is the correct explanation for A.
(b) Both A and R are true and R is not the correct explanation for A.
(c) A is True but R is False. (d) A is false but R is True. (e) Both A and R are False.

9. **Assertion (A):** Python supports multiple execution modes.

Reason (R): Interactive mode allows the user to enter and execute one statement at a time, while script mode allows the user to run a file containing multiple statements.

10. **Assertion (A):** A dictionary is a mapping of keys to values.

Reason (R): A dictionary can be created by using curly braces and colon separated pairs of keys and values.

Section B

Solve any 5 questions. (2 Marks each)

11. Write a program that return True if the input number is an even number, False otherwise.
12. Write a python program that accepts two integers from the user and print a message saying if first number is divisible by second number or if it is not.
13. Differentiate between mutable and immutable objects in Python language with example.
14. What are data types? What are Python's built-in core data types? Give example of each.
15. How are lists different from strings when both are sequences? Explain with example.
16. Write a program to accept values from a user in a tuple. Add a tuple to it and display its elements one by one. Also display its maximum and minimum value.