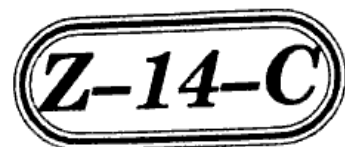


Roll No.



Total No. of Questions : 31]

[Total No. of Printed Pages : 4

11thARF(SZ)JKUT2024-25
214-C
COMPUTER SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Very Short Answer Type Questions)

1 each

- ✓1. ALU stands for :
(A) Application Logic Unit
(B) Array Logic Unit
(C) ✓Arithmetic Logic Unit
(D) None of these
- ✓2. The language understood by the computer is high level language.
(True/False)
- ✓3. Which function is used to take user Input in Python ?
(A) cin
(B) scanf()
(C) ✓input ()
(D) None of these

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214-C

Turn Over

Z-14-C

4. Define term Robustness of program.
5. 1 Gigabyte is equal to Megabytes.
6. Which of the following represents Arithmetic Operator in Python ?
(A) <
(B) >
(C) *
(D) All of these
7. Linux is an example of :
(A) Operating system
(B) Application software
(C) Both (A) and (B)
(D) None of these
8. What is use of replace() ?
9. Python is not an interpreted programming language. (True/False)
10. Define data type in Python.

Section-B

(Short Answer Type Questions—I)

2 each

11. Define a variable with the help of example in Python.
12. Convert $(256)_{10}$ into binary equivalent.
13. What is logical error ?
14. Convert $(10101010)_2$ to decimal number.

15. What is adaptive maintenance ?
16. What is indentation in Python ?
17. Explain characteristics of 2nd generation of computers.
18. What do you mean by Python character set ? Give example.
19. What is use of int() function in Python ?

Section-C

(Short Answer Type Questions—II)

3 each

20. What is need of an operating system ? Explain.
21. Using shortcut method convert below mentioned hexadecimal numbers to binary equivalent number :
 - (i) $(CDA)_{16}$
 - (ii) $(ABF)_{16}$
22. Draw the block diagram of computer system and explain central processing unit. <https://www.jkb oseonline.com>
23. Explain Identity Operators with an example.
24. Using shortcut method convert below mentioned binary numbers to octal equivalent numbers ?
 - (i) $(11101110)_2$
 - (ii) $(10111011)_2$

25. Define Memory. Explain various types of primary memories of a computer.
26. What are the rules for naming a variable ?
27. Write a program in Python to calculate area of a rectangle.
28. Describe some unique features of Python.

Section-D

(Long Answer Type Questions)

5 each

29. What is a String ? Explain with an example how to assign string to a variable and access its characters.

Or

What is purpose of using escape characters in strings ? Discuss some commonly used escape characters in Python.

30. Describe documentation. Explain its various types.

Or

Explain the concept of modular programming approach. What are its benefits ?

31. Define Software. Explain in detail application softwares.

Or

What is language processor ? Describe working of compiler and interpreter.