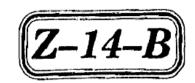
Roll No.



Total No. of Questions: 31)

[Total No. of Printed Pages: 4

11thARF(SZ)JKUT2024–25 214–B COMPUTER SCIENCE

Time: 3 Hours]

[Maximum Marks: 70

Section-A

(Very Short Answer Type Questions)

1 each

- The brain of Computer is :
 - (A) CPU
 - (B) ALU
 - (C) Memory
 - (D) None of these
- 2. Machine language is made up of binary bits 0 and 1. (True/False)
- 3. Which of the following represents tokens in Python ?
 - (A) Operators
 - (B) Punctuators
 - (C) Both (A) and (B)
 - (D) None of these

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214_B

Turn Over

4.	Define term portability of program.			
5.	1 kilobyte is equal to bytes.			
6.	Which	Which of the following represents membership operator?		
	(A) 1	not in		
	(B)	is .		
	(C)	is not		
	(D)	None of these		
7. ⁽	Andro	oid is an example of :		
	(A)	Operating system		
	(B)	Application software		
	(C)	Both (A) and (B)		
	(D)	None of these		
8.	Wha	t is the use of lower()?		
9.	Pyth	on language uses semicolon (;) to terminate statements. (True/False)	
10.	Defir	ne Data type in Python.		
Section-B				
		(Short Answer Type Questions—I)	2 each	
11.	Wha	at is docstring in Python?		
12.	Con	vert (216) ₁₀ into binary equivalent.		
13.	Wha	at is syntax error ?		
14.	/ Con	overt (11111001) ₂ to decimal number.		
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Z-14-B				

- 15. What is preventive maintenance ?
- 16. What is a lambda function ?
- 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
- Draw the block diagram of computer system and explain central processing unit. https://www.jkboseonline.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

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214-B

Turn Over

- 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.

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