

Roll No.

Z-15-X

Total No. of Questions : 31]

[Total No. of Printed Pages : 4

11th ARM(SZ)JKUT2024

1215-X

INFORMATION PRACTICES

Time : 3.00 Hours]

[Maximum Marks : 70

Section-A

(Very Short Answer Type Questions)

1 each

1. The output of OR Gate with two inputs A and B is '0' when :

(A) A = 1, B = 0

(B) A = 0, B = 1

(C) A = 1, B = 1

(D) None of these

2. 1 MB is equal to kb.

3. Mouse, Keyboard, Monitor are all input devices.

(True/False)

4. Window 10 was released in the year :

(A) 2010

(B) 2012

(C) 2015

(D) None of these

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Turn Over

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5. The diamond box symbol in flowchart represents two different conditions.
(True/False)
6. Full form of Fortran language is
7. Which of the following is not the valid variable name in Python ?
(A) abc (B) abc2
(C) 2abc (D) ab2c
8. Python is a high level programming language. (True/False)
9. IOT is referred as
10. Google drive is an example of cloud-based storage service.
(True/False)

Section-B

(Short Answer Type Questions—I)

2 ea

11. What is the function of ALU in Computer ?
12. Convert the decimal number 14 into its binary equivalent.
13. Define Hexa decimal number system.
14. What is the role of indentation in Python ?

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15. What are keywords in Python ?
16. Define single user operating system.
17. What is Firmware ?
18. What is low level programming language ?
19. What is cloud computing ?

Section-C

(Short Answer Type Questions—II)

3 each

20. Explain briefly the importance of information technology in the field of education.
21. Explain OR Gate with its truth table.
22. Differentiate between compiler and interpreter.
23. Explain briefly the syntax and semantics in programming language.
24. Explain in brief any *three* features of Python.
25. Write a program in Python to find area of circle.
26. What are the various rules for naming a variable in Python ?
27. How is Augmented reality different from virtual reality ?
28. What is big data ? Explain in brief any one characteristic of big data.

(4)

Section-D

(Long Answer Type Questions)

5 each

29. What is Primary Memory ? Explain ROM in detail.

Or

What are output devices in computer ? Explain any *two* types of output devices.

30. What is operating system ? Explain any *three* functions of operating system. <https://www.jkboseonline.com>

Or

Discuss the following types of operating system :

(A) Batch operating system

(B) Multitasking operating system

31. What are operators in Python ? Discuss any *two* types of operators available in Python.

Or

Write a program in Python to swap two numbers.

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Roll No

Z-51

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1251

IT/ITES

(Vocational)

Time : 2:30 Hours]

[Maximum Marks : 50

(Very Short Answer Type Questions)

1 each

- 1 At which of these times you can say 'Good Night' ?
(A) 11 am (B) 9 pm
(C) 2 pm (D) 12 am
- 2 Dressing and grooming does not affect your overall impression on others.
(True/False)
- 3 Python is a case sensitive (True/False)
- 4 Which are the two operations performed on stack for insertion and deletion of elements ?
(A) Push, Pop (B) Queue, Deque
(C) Infix, Prefix (D) None of these

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Turn Over

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5. An expression is a combination of values, variables and operators.

(True/False)

6. Which data structure is based on the first In first Out principle ?

(A) Tree

(B) Stack

(C) Queue

(D) Array

7. Full form of RAM

8. A global network of computing devices is called :

(A) HTTP

(B) HTML

(C) MAC

(D) Internet

9. A pseudocode can also be used to represent an algorithm. (True/False)

10. Which of the following is the smallest unit of data in a computer ?

(A) Bit

(B) KB

(C) Nibble

(D) Byte

(Short Answer Type Questions-I)

2 each

11. What is Flowchart ?
12. Convert $(128)_{10}$ into binary.
13. Define antivirus.
14. Write full form of LAN and WAN.
15. What do you mean by Computer Network ?

(Short Answer Type Questions-II)

3 each

16. What is verbal communication and what are its types ?
17. What is stack and what are the operations performed on stacks ?
18. Define operators and give its types.
19. Explain Bus topology with diagram.
20. Draw block diagram of computer.

(Long Answer Type Questions)

5 each

21. Write down the procedure for printing a document.

Or

What are the qualities of an Entrepreneur ?

22. What are the fields where computers are being used today ?

Or

Explain memory and its types.

23. What is network topology ? What are its types (Explain) ?

Or

Explain the different type of malware

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