

B-24-Y

Roll No. .

Total No. of Questions : 31]

[Total No. of Printed Pages : 4

12thARF(SZ)JKUT2024-25

324-Y

INFORMATION PRACTICE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Multiple Choice Questions)

1×10=10

1. Telephone is an example of data flow. (Fill up)
2. Twisted pair is a guided media. (True/False)
3. Define a gateway.
4. Define search engine. Name any ^{plur} two.
5. Virus is network threat. (True/False)
6. Define a primary key.
7. Tuple is also called :

(A) Column

(B) Row

(C) Cell

(D) None of these

12thARF(SZ)JKUT2024-25-324-Y

Turn Over

B-24-Y

(2)

8. What do you mean by constraint ?

9. Python is case-sensitive.

(True/False)

10. Which keyword is used for function in Python Language ?

(A) function

(B) def ✓

(C) fun

(D) define

Section-B

(Very Short Answer Type Questions)

9×2=18

11. Describe briefly any *two* classes of IP.

12. Write brief overview of networking.

13. Define any *two* network devices.

14. Explain the functions of a Web Server.

15. Distinguish between DBMS and RDBMS.

16. Explain number function floor() of SQL.

12thARF(SZ)JKUT2024-25-324-Y

B-24-Y

17. Explain concat() function of SQL.
18. Define 'key-value pair' in python.
19. Explain POP() function of python.

9×3=27

Section-C

(Short Answer Type Questions)

20. Explain simplex, half duplex and full duplex and give examples.
21. Explain IP addressing and MAC addressing.
22. Write a short note on cyber security.
23. Give the merits and demerits of Internet.
24. Give the advantages and disadvantages of a DBMS.
25. Write and explain SQL data definition commands (any two).
26. Write a program in Python to print the given number is odd or even. <https://www.jkboseonline.com>
27. Explain any *three* list methods of Python.
28. Explain how to update and delete an element in Python with the help of a program ?

12thARF(SZ)JKUT2024-25-324-Y

B-24-Y

Turn Over

(4)

Section-D

(Long Answer Type Questions)

3×5=15

29. Discuss LAN and give its advantages and disadvantages.

Or

Write a note on network topologies.

30. Discuss different cybercrimes.

Or

What is a network threat ? Explain any *three* in detail.

31. Discuss different data types of SQL.

Or

Explain TCL commands with the help of examples.