Class : 12

SECOND MID TERM TEST - 2024

COMPUTER APPLICATIONS

Time Allowed : 1.30 Hours]   [Max. Marks : 50

PART - I

YouTube/ Akwa Academy

I. Choose the correct answer: 10×1=10

1. In the domain name, The sequences of label is separated by
   - (a) Semicolon (;)
   - (b) dot (.)
   - (c) Colon (:)
   - (d) Null

2. Which of the following initiates the mapping of domain name to IP address?
   - (a) Zone
   - (b) Domain
   - (c) Resolver
   - (d) Name Servers

3. How many bits are used in the IPV6 addresses?
   - (a) 32
   - (b) 64
   - (c) 128
   - (d) 16

4. Which of the following connector is called champ connector?
   - (a) RJ 11
   - (b) RJ 21
   - (c) RJ 61
   - (d) RJ 45

5. How many pins are used in RJ 45 cables?
   - (a) 8
   - (b) 6
   - (c) 50
   - (d) 25

6. WWW was invented by
   - (a) Tim Berners Lee
   - (b) Charles Babbage
   - (c) Blaise Pascal
   - (d) John Napier

7. Choose the correct pair from the following to build NS2
   - (a) UNIX & TCL
   - (b) C++ & OTCL
   - (c) UNIX & C++
   - (d) C++ & NS2

8. Which is an example of Network Simulator?
   - (a) Simulator
   - (b) TCL
   - (c) NS2
   - (d) C++

9. Open NMS was released in ----------------
   - (a) 1999
   - (b) 2000
   - (c) 2003
   - (d) 2004

10. Which of the following is a open source network monitoring software?
    - (a) C++
    - (b) OPNET
    - (c) Open NMS
    - (d) OMNET ++

PART – II

II. Answer (Any Five) of the following: Question No : 17 is Compulsory.   5x2=10

11. List any 4 Domain Names.

12. What is IP address?

13. List out four URLs you know.

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14. What is the use of Crimping Tool?

15. What is meant by Champ Connector?

16. What is meant by Network Simulator?

17. What is Trace File?

PART – III

III. Answer (Any Five) of the following: Question No : 24 is Compulsory.   **5x3=15**

18. Differentiate IpV4 and IpV6.

19. What are the differences between Absolute URL and Relative URL?

20. Write a short note on RJ 45 Connector.

21. What is meant by Null modem cable? Give the examples.

22. What are the types of Fibre Optic Cables?

23. What are the uses of Open Source Network Software?

24. List out the popular Open Source Software.

PART - IV

IV. Answer all the questions: **3x5=15**

25. a)   Classify and Explain the IP address and its Classification.

(OR)

   b)   Explain how the DNS is Working.

26. a)   What is meant by Registered Jack? Explain briefly the types of Jacks.

(OR)

   b)   Explain the types of Network Cables.

27. a)   Differentiate Proprietary and Open Source Software.

(OR)

   b)   List out the benefits of Open Source Software.

TPR / 12 / C.A / 2