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**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore - 641 043**

Continuous Internal Assessment- II October 2025

SEMESTER V

**Class: III B.Sc
Major: Computer Science**

**Time: 2 hours
Max. Marks: 60**

23BCSC10 Internet Technologies

Course Outcomes:

At the end of the course, students will:

CO1: Obtain the knowledge related to the internet & how the internet is changing the world.

CO2: Gain knowledge on how computers are connected to the internet & demonstrate the knowledge on how to use the world wide web.

CO3: Demonstrate an understanding of and the ability to use email & other internet-based services.

CO4: Apply the design principles of web pages and how they are created.

CO5: Develop an ability to create basic web pages with HTML.

Part A

Choose the correct answer

6 x 1 = 6

1. Which method is called every time the Applet receives focus?
a. init() b. start() c. stop() d. destroy() CO3K1
2. What technique is used to track the web activity?
a. Validator b. Cookies c. Browser d. Plugins CO3K1
3. What does a Socket contain?
a. Port Address b. IP Address c. Port & IP Address d. DNS CO4K1
4. Which of the following is not a type of virus?
a. Boot sector b. polymorphic c. Trojan d. Multipartite CO4K2
5. What is the common communication protocol of VOIP?
a. TCP/IP b. RDP c. UDP d. SIP CO5K1
6. Which of the following is an example of web crawler?
a. Chrome b. Firefox c. Googlebot d. HTML CO5K2

Part B

Answer All Questions

3 x 6 = 18

7. A. Explain looping in JavaScript. Write a simple code to display the sum of N natural numbers. CO3K2
(OR)
B. Write a note on JAVA RMI and its role in the web. CO3K2
8. A. Write a note on (i) VPN (ii) VOIP CO4K2
(OR)
B. Describe the concept of Java RML CO4K2
9. A. What is Crawling, Indexing, and Ranking in SEO? CO5K2
(OR)
B. Demonstrate the working of the codec with examples on audio & video codecs. CO5K2

Part C

Answer All questions

3x12 = 36

10. A. Explain the role of a Java Applet in web development and describe the Applet life cycle. Explain applet architecture. CO3K2
(OR)
B. Summarize the role of Internet cookies in web browsing. Provide an overview of the primary types of Internet cookies, highlighting their intended purposes CO3K2
11. A. Describe in detail the firewall and its types. CO4K2
(OR)
B. Elaborate on SSH and SSL. Bring out the differences between SSL and SSH. CO4K2
12. A. Discuss the working of (i) RSVP (ii) RTSP CO5K2
(OR)
B. Elaborate on multimedia streaming protocols (i) RTP and (ii) RTCP. CO5K1