UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 5th Semester Examination, 2021

CC11-COMPUTER SCIENCE (51)

INTERNET TECHNOLOGIES

Time Allotted: 2 Hours   Full Marks: 40

The figures in the margin indicate full marks.

GROUP-A

Answer any *five* questions from the following   1×5 = 5

1. Which programming language always makes platform-independent application?
   (a) Java   (b) Visual Basic   (c) C++   (d) C

2. The transport layer protocol is
   (a) ALP   (b) PPX   (c) TCP   (d) None

3. JDK include
   (a) Java   (b) Javac   (c) JDB   (d) All

4. Buffer overflow attacks means
   (a) Collect and relay some data   (b) Get full system access
   (c) Play and display advertisement   (d) Slow down system

5. A firewall can be
   (a) A Hardware   (b) A Software
   (c) Both Hardware and Software   (d) Network Engine

6. Encoding data to make them unintelligible to unauthorized persons
   (a) Decoding   (b) Encoding   (c) Encryption   (d) Decryption

7. Which one of the following is not used to generate dynamic web pages?
   (a) PHP   (b) ASP.NET
   (c) JSP   (d) None of the mentioned

8. Which of the following is not a web browser?
   (a) Opera   (b) NetSurf   (c) WWW   (d) Google Chrome

GROUP-B

Answer any *three* questions from the following 5×3 = 15

9. What is the difference between HTTP GET and POST methods? 5

10. Write a JavaScript program to find the sum of squares of 10 numbers. The script should accept the numbers from the user. 5

11. What do you mean by registering an event handler? Explain with an example. 5

12. Name any four built-in methods for performing operations using Math objects in JavaScript. Also write its usage. 5

13. What is token? List the various type of tokens supported by the Java. 5

GROUP-C

Answer any *two* questions from the following 10×2 = 20

14. Write down the purpose of client-side scripting and server-side scripting. How it can be achieved in web applications? Write an example for each. 10

15. What do you understand by web services? Make a general diagram for any application involving web services. It should show various technologies/tools used for creating such applications. 10

16. What is JSP? What are the life-cycle methods for a JSP? List out some advantages of using JSP. How is JSP used in the MVC model? 10

17. What are Java Beans? What is bean persistence property? Why is not a Bean an Applet? What are the security implications for downloading Beans over the internet? 10

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