

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2023  
(Fifth Semester)

Branch – NETWORKING AND MOBILE APPLICATIONS

WEB TECHNOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 In XHTML, which of the following tags is used to create a hyperlink to an external webpage?  
(i) <link> (ii) <anchor>  
(iii) <a> (iv) <hyperlink>
- 2 An event handler is a \_\_\_\_\_  
(i) scripting function (ii) attribute  
(iii) scripting function or attribute (iv) None of these
- 3 \_\_\_\_\_ is a commonly used component in JavaServer Faces (JSF) for creating a form input field.  
(i) <formField> (ii) <textEntry>  
(iii) <formInput> (iv) <inputText>
- 4 XMLHttpRequest communication between the \_\_\_\_\_ and \_\_\_\_\_.  
(i) web page (ii) server  
(iii) Both (i) and (ii) (iv) None
- 5 Which of the following is NOT a typical component that needs configuration when creating a web application project?  
(i) Database connection (ii) URL routing  
(iii) Security settings (iv) Print settings

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Explain the purpose of the href attribute in XHTML. Provide an example of how it is used to create a hyperlink to an external webpage.  
OR  
b Explain the two Main Types of Lists in XHTML.
- 7 a Event on mouseover in javascript-Discuss in brief.  
OR  
b How to draw a horizontal line in Javascript?
- 8 a What is NetBeans, and how does it relate to web technologies?  
OR  
b What is a Java web application, and how does it differ from a standalone Java application?

Cont...

9 a Explain the concept of AJAX and why it is important in modern web development.

OR

b Explain the Steps to enable a JSF component.

10 a Overview of Java web services and their types.

OR

b List the steps to create the basic web service class in NetBeans.

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11 a Explain the purpose of using tables in XHTML, and describe the structure of an XHTML table. Provide example.

OR

b Discuss the Importance of <meta> elements in XHTML documents and the key attributes and values.

12 a How to use a JavaScript dialogue box to prompt the user for input and then display the input?

OR

b Discuss with a simplified example of form processing in JavaScript.

13 a Provide examples of common tasks performed by JSP and Page Bean component and how they collaborate to deliver dynamic web content.

OR

b Describe on Examining XHTML Generated by a Java Web Application.

14 a Consider an e-commerce web application that allows users to search for products, view product details, and make purchases. Is Database access is essential in this scenario. Summarize.

OR

b Implement autocomplete text fields with AJAX for a travel booking website.

15 a Explain the fundamental concepts of Java web services, including their types and primary use cases.

OR

b Describe the process of creating and consuming web services in NetBeans.

Z-Z-Z

END