

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2024
(Fifth Semester)

Branch – COMPUTER SCIENCE

WEB TECHNOLOGIES

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

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

- 1 Which of the following is the correct syntax of creating a standard navigation tab?
(i) `<ul class="navigation nav-tabs">` (ii) `<ul class="nav tab">`
(iii) `<ul class="nav nav-tabs">` (iv) `<ul class="navigation tabs">`
- 2 The plugin used to create a cycle through elements as a slidesho
(i) slideshow (ii) scrollspy (iii) carousel (iv) None of the above
- 3 Which of the following function in PHP can be used to test the type of any variable?
(i) `showtype()` (ii) `gettype()` (iii) `settype()` (iv) None of the above
- 4 Which of the following function in PHP returns a text in title case from a variable?
(i) `toUpper($var)` (ii) `ucwords($var)`
(iii) `ucword($var)` (iv) All of the above
- 5 What will be the output of the following program?

```
<?php
$a = 15;
function show()
{
    $a = 20;
    echo "$a";
}
show();
echo "$a";
```


(i) 2015 (ii) 2020 (iii) 1515 (iv) 0

SECTION - B (15 Marks)

Answer ALL Questions

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

- 6 a Explain the concept of working with tooltip javascript plugin.
OR
b Discuss how to connect with popover javascript plugin.
- 7 a Describe the usage of buttons using bootstrap.
OR
b Enumerate the dropdown menus using bootstrap.
- 8 a Elucidate the navigation elements using bootstrap with example.
OR
b Explain the concept of pagination using bootstrap with example.
- 9 a Write a Credit Card Form using Bootstrap Layout Components.
OR
b Propose an E-commerce website using Bootstrap JavaScript Plugin.
- 10 a Design a student application form using Bootstrap.
OR
b Explain jquery class with coding.

Cont...

SECTION -C (30 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks (5 x 6 = 30)

- 11 a With coding, explain database connectivity in php.

OR

- b Write a separate PHP file named echo.php that will process whatever elements it finds in the \$_REQUEST array, displaying the keys and values in a nicely formatted HTML table, with one row containing each key-value pair (with the key in the first column and the value in the second).

- 12 a Write two HTML files

named echopost.html and echoget.html containing substantially different HTML forms that submit their contents to the single PHP file described above for processing. The form in echopost.html should submit its contents using the POST method, and the form in echoget.html should submit using the GET method. Each page should have its own separate link on your home page, labeled appropriately. You should validate any files used to produce your forms, but you do not need to validate the output of the PHP file .

OR

- b For rotary club, the required components are as follows

- Every page should have:
 - Web site title and graphic. Put in its own <header> tag
 - Web site footer. Put in its own <footer> tag. For example, the footer might have copyright information or contact information.
 - Unordered list of all pages in the web site, that link to the web pages. The link will be the page name. For example: About Links must be relative.

Two Required pages

Main index page. The file name must be index.html

- About page. This might have things like who created the website, or info about your band, or your city, or company.

Optional pages. Must have at least four.

News page

- 13 a Create a web page for mobile sale , using the following componenets

- Page with video.
- Pages with info on a subject

Required HTML elements

- HEAD section on all pages
- At least one table. You don't need a table in all the pages, but you need a table on at least one page.
- Linked in images.
- HTML entities.
- Headings. Those <h1...6> tags.
- Paragraphs

"Style buttons with Bootstrap" Style all the buttons (there has to be at least one) with Bootstrap. Leave no button unstyled.

"Use 12 column layout" Pick at least page, and make it into a responsive multi-column layout using Bootstrap. Don't simply make a container with just one column, it is hard to get a sense of using the layout functions with such a simple example.

"Use Bootstrap menu bar" Put a Bootstrap menu bar on all your pages.

"Use a Bootstrap alert" Put at least one Bootstrap alert somewhere on your page.

"Use a Bootstrap Jumbotron" Properly use a Jumbotron at least once.

OR

- b Prepare an application to implement Electricity Bill.

- 14 a Create an application to Book Tickets.

OR

- b Create an application to implement Inventory System.

- 15 a With coding, explain jquery animations.

OR

- b With coding, explain jquery built in functions.