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**M.Sc. (Computer Science)
(Second Semester)**

EXAMINATION, May - June, 2022**Paper Third**

**WEB DEVELOPMENT USING OPEN SOURCE
SCRIPTING LANGUAGE**

*Time : Three Hours]**[Maximum. Marks : 100***Note: Attempt all sections as directed.****Section - A****(Objective/Multiple Type Questions)****(1 mark each)****Note : Attempt all questions.****Choose the correct answer:**

1. In HTML5, which of the following tag is used to initialize the document type?
 (A) <Doctype HTML>
 (B) <\Doctype HTML>
 (C) <Doctype>
 (D) <!Doctype HTML>

2. Which of the following selectors selects any tag with an id attribute set?
 (A) E#id
 (B) .class
 (C) #id
 (D) *
3. From which tag descriptive list starts?
 (A) <LL>
 (B) <DD>
 (C) <DL>
 (D) <DS>
4. In HTML, which attribute is used to create a link that opens in a new window tab?
 (A) src = ".blank"
 (B) alt = ".blank"
 (C) target = ".self"
 (D) target = ".blank"
5. Which of the following is correct about JavaScript?
 (A) JavaScript is an object-based language
 (B) JavaScript is an assembly language
 (C) JavaScript is an object - oriented language
 (D) JavaScript is a High level language

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6. Which function among the following lets to register a function to be invoked once?
- (A) SetTimeout ()
 - (B) SetTotaltime ()
 - (C) SetInterval ()
 - (D) Settime ()
7. In general, event handler is nothing but.....
- (A) function
 - (B) interface
 - (C) event
 - (D) handler
8. In which part does the form validation occur?
- (A) Client
 - (B) Server
 - (C) Both client and server
 - (D) User Side
9. Which of the functions is used to sort an array in decending order?
- (A) sort ()
 - (B) asort ()
 - (C) rsort ()
 - (D) dsort ()

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10. Who is the father of PHP?
- (A) Drek Kolkevi
 - (B) Rasmus Lerdorf
 - (C) Willium Makepiece
 - (D) List Barely
11. Which one of the following functions will convert a string to all upper case?
- (A) strtoupper ()
 - (B) uppercase ()
 - (C) str_uppercase ()
 - (D) struppercase ()
12. PHP supports following types of loops:
- (A) One
 - (B) Two
 - (C) Three
 - (D) Four
13. What is the description of Error level E_ERROR?
- (A) Fatal run-time error
 - (B) Near - fatal error
 - (C) Compile - time error
 - (D) Fatal compile - time error

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14. Which of the following statements invoke the exception class?

- (A) throws new Exception ();
- (B) throw new Exception ();
- (C) new Exception ();
- (D) new throws Exception ();

15. Which two predefined variables are used to retrieve information from forms?

- (A) \$ GET & \$ SET
- (B) \$_GET & \$_SET
- (C) \$_GET & \$SET
- (D) GET & SET

16. Which one of the following function is used to start a session-

- (A) start__session ()
- (B) session__start ()
- (C) session__begin ()
- (D) begin__session ()

17. The updated MySQL extension related with PHP 5 is typically referred to as_____.

- (A) MySQL
- (B) mysql
- (C) mysqli
- (D) mysqlly

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18. Which method rollback present transaction?

- (A) commit ()
- (B) undo ()
- (C) mysqli_rollback ()
- (D) rollback ()

19. When you are uploading files you need to set the enctype of the form to_____

- (A) text
- (B) text/file
- (C) multipart/form_data
- (D) multimedia/form_data

20. The web server (computer) where your website's HTML files, graphics etc. reside is known as the_____

- (A) Web host
- (B) Web localhost
- (C) Web server
- (D) None

Section - B

(Very Short Answer Type Questions)

(2 marks each)

Note : Attempt all questions. Write answer in 2-3 sentences.

1. What is static and dynamic website?

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2. What is DHTML?
3. What is Event and Event Listener in JavaScript?
4. Compare JavaScript and VBScript.
5. What is SPL?
6. Describe various datatypes in PHP.
7. What are cookies?
8. How to retrieve multi-value-field data in PHP.
9. What is website hosting?
10. What are query parameters in PHP? Explain with example.

Section - C

(Short Answer Type Questions)

(3 marks each)

Note: Attempt all questions. Answer precisely using < 75 words.

1. Explain IMG tag of HTML with all its attributes and example.
2. Explain text properties of CSS.
3. What do you mean by data validation? Explain numeric and automatic validation?
4. Explain window object and few of its methods.
5. Write any two string functions of PHP. Write code in PHP that accepts two strings from the user and display them after copying first string into second.
6. Explain any one looping structure of PHP with syntax and example.

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7. Write short note on PHP FTP and PHP HTTP.
8. How can you upload a file through PHP? Explain with example.
9. What are different ways to connect PHP with MySQL?
10. How to upload and publish a website?

Section - D

(Long Answer Type Questions)

(6 marks each)

Note: Attempt any five questions. Answer precisely using 150 words.

1. What is CSS? Write advantages of CSS. Describe various selectors available in CSS.
2. Describe frames in HTML. Write HTML code to illustrate frames.
3. What is document object model? Describe client and server script execution with help of labeled diagram.
4. How function is used in PHP? What are call by value and call by reference in PHP? Write a recursive function in PHP to find factorial of given number.
5. Define array in PHP. Explain various types of an array. Explain the use of for each loop with suitable example.
6. What is exception and error? Explain try, catch and throw statement with suitable example.
7. Explain Insert, delete, update and select command with reference to database connectivity of PHP with suitable example.

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