

Sl. No.

**A9.2-R5 : WEB APPLICATION USING PHP**

अवधि : 03 घंटे

DURATION : 03 Hours

अधिकतम अंक : 100

MAXIMUM MARKS : 100

ओएमआर शीट सं. :

OMR Sheet No. :

रोल नं. :

Roll No. :

उत्तर-पुस्तिका सं. :

Answer Sheet No. :

परीक्षार्थी का नाम :

Name of Candidate :

परीक्षार्थी के हस्ताक्षर :

Signature of Candidate :

**परीक्षार्थियों के लिए निर्देश :****Instructions for Candidate :**

कृपया प्रश्न-पुस्तिका, ओएमआर शीट एवं उत्तर-पुस्तिका में दिये गए निर्देशों को ध्यानपूर्वक पढ़ें।	Carefully read the instructions given on Question Paper, OMR Sheet and Answer Sheet.
प्रश्न-पुस्तिका की भाषा अंग्रेजी है। परीक्षार्थी केवल अंग्रेजी भाषा में ही उत्तर दे सकता है।	Question Paper is in English language. Candidate can answer in English language only.
इस मॉड्यूल/पेपर के दो भाग हैं। भाग एक में चार प्रश्न और भाग दो में पाँच प्रश्न हैं।	There are TWO PARTS in this Module/Paper. PART ONE contains FOUR questions and PART TWO contains FIVE questions.
भाग एक "वैकल्पिक" प्रकार का है जिसके कुल अंक 40 हैं तथा भाग दो "व्यक्तिपरक" प्रकार का है और इसके कुल अंक 60 हैं।	PART ONE is Objective type and carries 40 Marks. PART TWO is Subjective type and carries 60 Marks.
भाग एक के उत्तर, ओएमआर उत्तर-पुस्तिका पर ही दिये जाने हैं। भाग दो की उत्तर-पुस्तिका में भाग एक के उत्तर नहीं दिये जाने चाहिए।	PART ONE is to be answered in the OMR ANSWER SHEET only. PART ONE is NOT to be answered in the answer book for PART TWO.
भाग एक के लिए अधिकतम समय सीमा एक घण्टा निर्धारित की गई है। भाग दो की उत्तर-पुस्तिका, भाग एक की उत्तर-पुस्तिका जमा कराने के पश्चात् दी जाएगी। तथापि, निर्धारित एक घंटे से पहले भाग एक पूरा करने वाले परीक्षार्थी भाग एक की उत्तर-पुस्तिका निरीक्षक को सौंपने के तुरंत बाद, भाग दो की उत्तर-पुस्तिका ले सकते हैं।	Maximum time allotted for PART ONE is ONE HOUR. Answer book for PART TWO will be supplied at the table when the Answer Sheet for PART ONE is returned. However, Candidates who complete PART ONE earlier than one hour, can collect the answer book for PART TWO immediately after handing over the Answer Sheet for PART ONE to the Invigilator.
परीक्षार्थी, उपस्थिति-पत्रिका पर हस्ताक्षर किए बिना और अपनी उत्तर-पुस्तिका, निरीक्षक को सौंपे बिना, परीक्षा हॉल/कमरा नहीं छोड़ सकते हैं। ऐसा नहीं करने पर, परीक्षार्थी को इस मॉड्यूल/पेपर में अयोग्य घोषित कर दिया जाएगा।	Candidate cannot leave the examination hall/room without signing on the attendance sheet and handing over his/her Answer Sheet to the invigilator. Failing in doing so, will amount to disqualification of Candidate in this Module/Paper.
प्रश्न-पुस्तिका को खोलने के निर्देश मिलने के पश्चात् एवं उत्तर लिखना आरम्भ करने से पहले उम्मीदवार जाँच कर यह सुनिश्चित कर लें कि प्रश्न-पुस्तिका प्रत्येक दृष्टि से संपूर्ण है।	After receiving the instruction to open the booklet and before starting to answer the questions, the candidate should ensure that the Question Booklet is complete in all respect.

जब तक आपसे कहा न जाए, तब तक प्रश्न-पुस्तिका न खोलें।

DO NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.

## PART ONE

(Answer all the questions)

1. Each question below gives a multiple choice of answers. Choose the most appropriate one and enter in the "OMR" answer sheet attached to the question paper, following instructions therein.

(1x10)

- 1.1 In which decade was the Internet first implemented ?

(A) 1940s  
(B) 1950s  
(C) 1960s  
(D) 1980s

- 1.2 Which command is used to set terminal IO characteristic ?

(A) tty  
(B) ctty  
(C) ptty  
(D) sty

- 1.3 Which of the following is not a web server ?

(A) Apache tomcat  
(B) BlueGriffon  
(C) Jetty  
(D) Tornado

- 1.4 Which attribute specifies a unique alphanumeric identifier to be associated with an element ?

(A) class  
(B) id  
(C) article  
(D) html

- 1.5 Correct HTML tag for the largest heading is :

(A) <head>  
(B) <h6>  
(C) <header>  
(D) <h1>

- 1.6 What is the correct syntax for referring to an external script called "demo.js" ?

(A) <script src="demo.js">  
(B) <script href="demo.js">  
(C) <script ref="demo.js">  
(D) <script name="demo.js">

- 1.7 How can you test the Ajax code ?

(A) JSU  
(B) JSUnit  
(C) AjaxJSU  
(D) None of the above

<p><b>1.8</b> Which of the following is a single global function defined in the jQuery library ?</p> <p>(A) jQuery()</p> <p>(B) queryAnalysis()</p> <p>(C) \$()</p> <p>(D) None of the above</p>	<p><b>2.</b> Each statement below is either TRUE or FALSE. Choose the most appropriate one and ENTER in the "OMR" sheet attached to the question paper, following instructions therein. (1x10)</p> <p><b>2.1</b> Procedure that constructs SQL statements should be reviewed for injection vulnerabilities.</p> <p><b>2.2</b> To make your website mobile friendly, you can make your website responsive.</p> <p><b>2.3</b> System Startup is the initial stage of Linux boot process.</p>
<p><b>1.9</b> Which of the following variables is not a predefined variable ?</p> <p>(A) \$get</p> <p>(B) \$post</p> <p>(C) \$ask</p> <p>(D) \$request</p>	<p><b>2.4</b> &lt;video Control&gt; attribute is used to add video controls like play, pause, and volume in Video.</p> <p><b>2.5</b> The nodes in the NamedNodeMap can be accessed through their name.</p> <p><b>2.6</b> Java Script provides only Try catch block, but does not allow throw exception.</p> <p><b>2.7</b> A function in PHP which starts with __ (double underscore) is known as magic function.</p>
<p><b>1.10</b> Which of the stored procedure is used to test the SQL injection attack ?</p> <p>(A) xp_write</p> <p>(B) xp_regwrite</p> <p>(C) xp_reg</p> <p>(D) All of the above</p>	<p><b>2.8</b> When you use the \$_GET variable to collect data, the data is visible to none.</p> <p><b>2.9</b> If there is no error, then error() method return empty string.</p> <p><b>2.10</b> In PHP, cookies are set by using the setcookie() function.</p>

3. Match words and phrases in column X with the closest related meaning/ word(s)/phrase(s) in column Y. Enter your selection in the "OMR" answer sheet attached to the question paper, following instructions therein. (1x10)

X		Y	
3.1	Which consequences occur due to an injection attack ?	A.	AjaxControlToolkit.dll
3.2	Enable mysqli extension	B.	built();
3.3	Select the database	C.	Object
3.4	Function will add a value to the end of an array.	D.	array_push()
3.5	Compound data type	E.	Array.slice( )
3.6	Returns sub-array of the specified array	F.	Denial of service
3.7	DLL that contains Ajax control tool kit.	G.	\$mysqli->select_db('databasename');
3.8	Which property specify the transparency of an element ?	H.	extension=php_mysqli.dll
3.9	Core of Linux operating system	I.	Proprietary Software
3.10	RealMedia	J.	Opacity
		K.	Kernel
		L.	Open Source
		M.	Shell

4. Each statement below has a blank space to fit one of the word(s) or phrase(s) in the list below. Enter your choice in the "OMR" answer sheet attached to the question paper, following instructions therein. (1x10)

A.	affected_rows()	B.	connect()	C.	Border-style
D.	chmod	E.	css()	F.	password_hash
G.	Include_once()	H.	POST	I.	mysqli_connect_errno()
J.	built()	K.	open()	L.	Kernal
M.	php.ini				

- 4.1 \_\_\_\_\_ command changes permissions of files or directories.
- 4.2 The \_\_\_\_\_ specifies whether a border should be solid, dashed line, double line, groove etc.
- 4.3 \_\_\_\_\_ is more secure mechanism to transfer data over HTTP.
- 4.4 \_\_\_\_\_ jQuery method is used to set one or more style properties for selected elements.
- 4.5 \_\_\_\_\_ method can be used to diagnose and display information about a MySQL connection error.
- 4.6 The \_\_\_\_\_ statement includes and evaluates the specified file during the execution of the script in php.
- 4.7 The SMTP mail settings can be configured from \_\_\_\_\_ file in the PHP installation folder.
- 4.8 \_\_\_\_\_ function opens a new connection to the MySQL server.
- 4.9 PHP provide a default function called \_\_\_\_\_ to hash the password using bcrypt.
- 4.10 \_\_\_\_\_ method is used to retrieve the number of rows affected by an INSERT, UPDATE, or DELETE query.

## PART TWO

(Answer any FOUR questions)

5. (a) Write a note on scripting language. What are the advantages of Scripting Language ? List the applications of scripting language.
- (b) Write the steps to install PHP on Linux.
- (c) Explain the \$GLOBALS and \$\_SERVER super global variable with suitable example. (4+5+6)
6. (a) Explain the ordered and un-ordered HTML list tag with suitable example.
- (b) How to create user defined function in JavaScript ? Explain function definition, function parameter and calling function with appropriate example.
- (c) What is an Array ? Explain types of an array available in PHP in detail. (6+5+4)
7. (a) List the PHP conditional statements and explain in detail with suitable example.
- (b) Write a PHP script to create a connection to MySQL Database and create table (named "MyGuests", with five columns: "id", "firstname", "lastname", "email" and "reg\_date") Using MySQLi. (8+7)
8. (a) What is Cookie ? Explain how to create a Cookie, check whether cookie set or not, access the cookie and delete the cookie.
- (b) Write a PHP code to display student information (like Student\_id, Student\_name, Programme) on student.php page from student table available in college database. (8+7)
9. (a) Explain the form method - GET and POST to send the client data on server.
- (b) Write the Steps to upload an image in PHP. (8+7)

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SPACE FOR ROUGH WORK

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