

No. of Printed Pages : 8

A9.2-R5 : WEB APPLICATION DEVELOPMENT USING PHP

DURATION : 03 Hours

MAXIMUM MARKS : 100

OMR Sheet No. :					
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Roll No. :

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Answer Sheet No. :

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Name of Candidate : _____ ; Signature of Candidate : _____

INSTRUCTIONS FOR CANDIDATES :

- Carefully read the instructions given on Question Paper, OMR Sheet and Answer Sheet.
- Question Paper is in English language. Candidate has to answer in English language only.
- There are **TWO PARTS** in this Module/Paper. **PART ONE** contains **FOUR** questions and **PART TWO** contains **FIVE** questions.
- **PART ONE** is Objective type and carries **40** Marks. **PART TWO** is Subjective type and carries **60** Marks.
- **PART ONE** is to be answered in the **OMR ANSWER SHEET** only, supplied with the question paper, as per the instructions contained therein. **PART ONE** is **NOT** to be answered in the answer book for **PART TWO**.
- 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.
- **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.**
- After receiving the instruction to open the booklet and before answering the questions, the candidate should ensure that the Question Booklet is complete in all respects.

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

PART - ONE

(Attempt all questions; Each questions carry one Mark)

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

(1x10)

1.1 The process of transferring files from a web page on the internet to your computer is called :

- (A) Uploading
- (B) Forwarding
- (C) Transferring
- (D) Downloading

1.2 Which of the following is not OS ?

- (A) Android
- (B) MAC
- (C) Samsung
- (D) LINUX

1.3 What is the correct HTML tag for adding a background color ?

- (A) `<body bg="yellow">`
- (B) `<background>yellow</background>`
- (C) `<bodystyle="background-color : yellow ;">`
- (D) All of the above

1.4 Select the CSS property that sets the width of an element's bottom border.

- (A) border-width
- (B) border-bottom
- (C) border-width-down
- (D) border-bottom-width

1.5 Which of the following is correct about features of JavaScript ?

- (A) JavaScript is not case sensitive
- (B) It does not handle date and time
- (C) It is object based scripting language
- (D) It is similar to Java in concept and design

1.6 Which of the following is not a JavaScript operator ?

- (A) `&&`
- (B) `>>`
- (C) `typeof`
- (D) All are valid operators

1.7 Is PHP variable case sensitive ?

- (A) Yes
- (B) No
- (C) Depends on variable
- (D) None

- 1.8 Index of an array by default starts with which of the following in PHP ?
- (A) 0
 - (B) 1
 - (C) -1
 - (D) 2
- 1.9 In PHP in order to access MySQL database you will use :
- (A) mysqlconnect()function
 - (B) mysql-connect()function
 - (C) mysql_connect()function
 - (D) sql_connect()function
- 1.10 What is the core of a Linux operating system ?
- (A) Kernel
 - (B) Command
 - (C) Terminal
 - (D) None of the above
2. Each statement below is either TRUE or FALSE. Choose the most appropriate one and enter your choice in the "OMR" answer sheet supplied with the question paper, following instructions therein. (1x10)
- 2.1 A web page is located using a Uniformly Reachable Links.
- 2.2 The Linux operating system is an open-source operating system made up of a kernel. It is a very safe operating system.
- 2.3 In HTML the visited link is usually Red or Purple in color.
- 2.4 The find() method is used to return all next siblings of the specified selector.
- 2.5 PHP script starts with <?php and ends with ?>
- 2.6 PHP can create, open, read, write, delete and close files on the server.
- 2.7 ENUM is a string object used to specify set of predefined values and that can be used during table creation.
- 2.8 CHOOSE VERSION () is used to get the current version of MySQL.
- 2.9 The updated MySQL extension released with PHP 5 is typically referred to as mysqli.
- 2.10 A cookie is used to save information on the server momentarily so that it may be utilized across various pages of the website.

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 supplied with the question paper, following instructions therein. (1x10)

X		Y	
3.1	Kernel	A	holds two or more frame elements.
3.2	rmdir	B	JavaScript library
3.3	PHP	C	used to replace text within a string.
3.4	Frameset	D	It is a reliable, fast and very easy to use database server.
3.5	jQuery	E	This method is used to retrieve the number of rows affected by an INSERT, UPDATE, or DELETE query.
3.6	str_replace()	F	PHP function that modifies the timestamp
3.7	data_modify()	G	Linux command removes given directory.
3.8	MySQL	H	It is used to send email in PHP.
3.9	mail() function.	I	Core or main part of Linux and is generally responsible for all major activities of OS.
3.10	affected_rows()	J	A server-side scripting language that communicates with server and database and provides dynamic content per user request.
		K	Linux command rename a given directory.
		L	It is used to check an email in PHP.
		M	A set or collection of frames

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

A	shell	B	HTTP	C	Post
D	break	E	Linux OS, Apache Server, MySQL Database, PHP	F	id rule
G	global	H	Include()	I	0
J	malicious	K	999	L	Extern
M	Get				

- 4.1 In Linux, the numeric value of execute permission is _____.
- 4.2 The software which helps the user to communicate with the kernel of Linux operating system is called _____.
- 4.3 LAMP stack is a collection of _____.
- 4.4 An _____ helps to apply a style to just a single tag.
- 4.5 _____ server support Ajax.
- 4.6 PHP keyword _____ is used to access a global variable inside the function.
- 4.7 In PHP, the _____ statement is used to jump out of a loop.
- 4.8 The _____ function is used to put data of one PHP file into another PHP file.
- 4.9 _____ request is widely used to submit form that have large amount of data such as file upload, image upload, login form, registration form etc.
- 4.10 SQL injection is an attack in which _____ code is inserted into strings that are later passed to an instance of SQL Server.

PART - TWO

(Attempt any four)

5. (a) Describe the process of aligning pictures to achieve different vertical positions, such as having one picture positioned higher or lower than the other.
- (b) Describe the features supported by AJAX.
- (c) What are the different types of variables present in PHP ?
(5+5+5)
6. (a) Mention any three difference between "echo" and "print" in PHP.
- (b) What is the role of PHP, MySQL(database) and HTML in saving data in database ?
- (c) Describe the process of embedding and linking the images on the Web page.
(3+6+6)
7. (a) Elaborate the benefits of using object-oriented programming over structured programming.
- (b) What is array in PHP? Explain Various type of arrays.
- (c) Explain the process of establishing the database connection in PHP. How are queries executed and results retrieved ? Explain with an example.
(5+4+6)
8. (a) What do you mean by File Handling in PHP ? Discuss the file handling functions.
- (b) Difference between Database server configuration using IPv4 and IPv6.
- (c) What constitutes a CSS file and what is its intended purpose ?
(5+6+4)
9. (a) What is the difference between mysql_fetch_array and mysql_fetch_object ?
- (b) Explain web service architecture with the help of diagram.
- (c) What is the difference between for and foreach loop in PHP ?
(3+7+5)

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SPACE FOR ROUGH WORK

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