Enrollment No......................................

Faculty of Science / Engineering
End Sem Examination Dec-2023
CA3EL03 Advanced PHP

Programme: BCA / BCA-MCA (Integrated)   Branch/Specialisation: Computer Application

Duration: 3 Hrs.   **Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

Q.1 i.   How can you create a custom exception class in PHP?   **1**
           (a) Using the catch block
           (b) Using the finally block
           (c) By extending the built-in Exception class
           (d) By using the try block

     ii.   When applying filters in PHP, which function should be used to **1**
           validate an array of data?
           (a) filter_var_array()   (b) filter_input ()
           (c) filter_var() with a loop   (d) filter_array_var()

     iii. What function is used to delete a file in PHP?   **1**
           (a) delete_file()   (b) remove()
           (c) unlink()   (d) erase()

     iv.   What PHP function is used to upload files from a web form to the **1**
           server?
           (a) upload_file()   (b) receive_file()
           (c) move_uploaded_file()   (d) save_file()

     v.   Which PHP function is used to create a new cookie?   **1**
           (a) create_cookie()   (b) setcookie()
           (c) bake_cookie()   (d) store_cookie()

     vi.   What is a session in PHP?   **1**
           (a) A client-side data storage mechanism
           (b) A permanent storage location for data
           (c) A temporary server-side storage for user data
           (d) A way to store data in cookies

vii. What is a key feature of AJAX that distinguishes it from traditional **1** web applications?
(a) AJAX requires specific web browsers to work
(b) AJAX allows asynchronous data exchange with the server
(c) AJAX is a programming language
(d) AJAX uses only XML for data transfer

viii. In jQuery, how can you select all paragraphs in an HTML document? **1**
(a) select(paragraph) (b) $("p")
(c) selectAll("p") (d) getElement("p")

ix. Which jQuery function is used to send HTTP request to a server and **1** receive a response?
(a) request() (b) fetch() (c) ajax() (d) get()

x. When retrieving data from a MySQL database using Ajax, which type **1** of request is commonly used?
(a) GET (b) REQUEST(c) PUT (d) DELETE

Q.2 Attempt any two:
i. Explain various keywords used in Exception handling with the help of **5** a suitable program.
ii. Write a PHP code that demonstrates how to re-throw an exception. **5**
iii. Explain difference between filter_var() and filter_var_array() with the **5** help of any program.

Q.3 Attempt any two:
i. Write a program to read a file and count the number of vowels in it. **5**
ii. Explain any three regular expression functions with the help of any **5** example.
iii. Write a program to validate a customer's name and mobile number **5** using regular expressions.

Q.4 Attempt any two:
i. Write program in PHP to create a cookie that stores the user's name **5** and that cookie should expire in one day.
ii. What is a session in PHP? Why are sessions important in web **5** development?
iii. Explain various parameters of the mail() function in PHP with **5** example.

Q.5 Attempt any two:
i. Write a note on AJAX and explain its significance in web **5** development.
ii. Write a program to demonstrate the use of XMLHttpRequest object in **5** AJAX.
iii. What is a jQuery selector? How is it used to select elements in HTML? **5** Explain with the help of an example.

Q.6 Attempt any two:
i. Explain why session management is important when working with **5** PHP forms and databases with the help of example.
ii. Explain the benefits of using PHP, Ajax, and jQuery with MySQL **5** together, with the help of example.
iii. Write a program using PHP and Ajax to fetch data from a database in a **5** web application.

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Marking Scheme
Advanced PHP (T) - CA3EL03 (T)

Q.1	i)	c) By extending the built-in Exception class		**1**
	ii)	a) filter_var_array()		**1**
	iii)	c) unlink()		**1**
	iv)	c) move_uploaded_file()		**1**
	v)	b) setcookie()		**1**
	vi)	c) A temporary server-side storage for user data		**1**
	vii)	b) AJAX allows asynchronous data exchange with the server		**1**
	viii)	b) $("p")		**1**
	ix)	c) ajax()		**1**
	x)	a) GET		**1**

Q.2	i.	Use of try, catch, throw, finally	1 Mark	**5**
		Example	1 Mark	
	ii.	Demonstrates to re-throw an exception.	(As per explanation)	**5**
OR	iii.	Difference …………_array()	3 Marks	**5**
		Program –	2 Marks	

Q.3	i.	Program to read a file	2.5 Marks	**5**
		Count the number of vowels in it.	2.5 Marks	
	ii.	Three Regular Expression Functions	2.5 Marks	**5**
		Examples of each	2.5 Marks.	
OR	iii.	program to validate a customer's name	2.5 Marks	**5**
		and mobile number using regular expressions	2.5 Marks	

Q.4	i.	Program in PHP to create a cookie	3 Marks	**5**
		stores the user's name	1 Mark	
		cookie expire in one day	1 Mark	
	ii.	Session in PHP	2.5 Marks	**5**
		Sessions importance in web development	2.5 Marks	
OR	iii.	Various parameters of the mail()	3 Marks	**5**
		Example	2 Marks	

Q.5	i.	Note on AJAX	2.5 Marks	**5**
		its significance in web development	2.5 Marks	
	ii.	Program to ……… object in AJAX.	(As per explanation)	**5**
OR	iii.	What is jQuery selector	1.5 Marks	**5**

how is it used to select elements in HTML – example – 2 marks — 1.5 Marks

Q.6				
	i.	Session management	2 Marks	**5**
		PHP …………… example	3 Marks	
	ii.	Benefits …….. together	2 Marks	**5**
		Example	3 Marks	
	iii.	Program …….. in a web application.	(As per explanation)	**5**

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