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RAN-2111040103050002

MCA (Sem. - III) Examination April - 2025

Open Source Web Based Programming (Paper - 305)

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MCA (Sem. - III)

Name of the Subject :

Open Source Web Based Programming (Paper - 305)

Subject Code No.: **2111040103050002**

Seat No.:

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Student's Signature

Q.1 Answer the following questions(Any Seven)

14

- (1) What are the different ways to define constant in PHP?
- (2) What is the difference between single quoted string and double quoted string?
- (3) How to find unique values from Array? Explain it with example.
- (4) What is the difference between `$_FILES['userfile']['name']` and `$_FILES['userfile']['tmp_name']`?
- (5) What is ternary operator? Explain it with example.
- (6) What does CSRF stand for in web security?
- (7) Briefly describe the purpose of Blade templates in Laravel.
- (8) What is the purpose of encryption in web development?

Q.2 A. Answer the following questions. (Any two)

10

- (1) Explain different functionalities of `php.ini`.
- (2) How to extract email addresses from user inputted paragraph. Explain it with example.
- (3) Explain the purpose and advantages of using Blade templates in Laravel. Provide examples of Blade directives and control structures.

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- B. Write causes and solution for following.(Any One) 04**
- (1) Warning: Cannot modify header information - headers already sent by ...
 - (2) Warning: Missing argument... for function_name(), called in ... on line ...
- Q.3 Answer the following.(Any two) 14**
- (1) Explain the role of controllers in a web application and how they facilitate the handling of user requests. Describe the process of handling a request, including how the controller interacts with the request and generates a response. Provide a practical example to illustrate this process.
 - (2) Explain the Model-View-Controller (MVC) architectural pattern in web development. Write the benefits of using MVC for complex web applications. Give an example, how each component (Model, View, Controller) would interact in the context of MVC.
 - (3) Describe the role of routing in a Laravel application. Explain how routing allows for the handling of different types of HTTP requests.
- Q.4 A. Explain following functions with example(Any two) 10**
- (1) Move_upload_file
 - (2) Define()
 - (3) Explode
- B. Write note on following. 04**
- (1) Session and Cookie Management in Laravel
 - (2) Authentication in Laravel
- Q.5 Answer the following.(Any two) 14**
- (1) What is AJAX? Explain with code, display results of student with selection of roll number from combo box.
 - (2) What is web services? Explain with code, how to create and consume web services.
 - (3) What is GD library? Explain How we can generate alphabate only CAPTCHA using GD library with example.
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