**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **3BC5146** | Roll No. | Total Printed Pages: 2 |
| **3BC5146** |  |
| BCA III Year V-Semester (Main/Back) End Semester Examination, November 2022  **(GEN)** | |
| **BCA05101 : PHP & Perl Programming** | | | |

# Time: **3**Hours. Total Marks: **60**

Min. Passing Marks: **21**

Attempt **five** questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Use of following supporting material is permitted during examination for this subject.

# **1.--------------------------Nil--------------------** **2.------------------Nil-----------------------**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | Illustrate the two methods of associative array and different sort functions in PHP. | **(6)** | **Apply** |
|  |  |  |  |  |
|  | **(b)** | Write a program in PHP to print the obtained marks using default arguments in case the student is absent pass the minimum marks. | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.2** | **(a)** | Create a constant in PHP using define function. Assign that constant to a variable and with the help of that variable call a dynamic function. | **(6)** | **Apply** |
|  |  |  |  |  |
|  | **(b)** | Analyze following string functions with their syntax, programs, and use.  1. strlen( ) 2. str\_word\_count( ) 3. strrev( ) 4. str\_replace( ) | **(6)** | **Analyze** |
|  |  |  |  |  |
|  |  | **UNIT-II (CO2)** |  |  |
|  |  |  |  |  |
| **Q.3** | **(a)** | Illustrate the three steps which are required to know the retuning users on the websites by cookies. Write its advantages. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Develop a PHP program to create a login page, having user name and password text boxes. | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.4** | **(a)** | Write a program to set a cookie for 30 days and check if the cookie is set then delete the cookie. | **(6)** | **Apply** |
|  |  |  |  |  |
|  | **(b)** | Differentiate GET and POST method with the help of Separate programs in PHP. | **(6)** | **Evaluate** |
|  |  |  |  |  |
|  |  | **UNIT-III (CO3)** |  |  |
|  |  |  |  |  |
| **Q.5** | **(a)** | Differentiate between object and variable using program in PHP. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Write a program to create a Database using PHP. | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | Write a PHP program to close a connection with database. Also explain, what issue may raise, if connection is not closed. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Illustrate the code for database connectivity in PHP. | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **UNIT-IV (CO4)** |  |  |
|  |  |  |  |  |
| **Q.7** | **(a)** | Why abstract class is required? Write a program to create an abstract class in PHP. | **(6)** | **Evaluate** |
|  |  |  |  |  |
|  | **(b)** | Analyze six method scopes in PHP with required syntax. | **(6)** | **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.8** | **(a)** | Differentiate Constructor and Destructor in PHP. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Write a program to call constructor and destructor using PHP | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **UNITV (CO5)** |  |  |
|  |  |  |  |  |
| **Q.9** | **(a)** | Discuss scalar variable in Perl. Also describe types of scalar data types. | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Write a program in Perl to create an array. What is the use of Sequential array, show in program? | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.10** | **(a)** | Discuss different types of operators in Perl, use each operator in program. | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Write a program to find average using subroutine in Perl. | **(6)** | **Apply** |