**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **4BT7122** | Roll No. | Total Printed Pages: 2 |
| **4BT7122** |  |
| B. Tech. IV Year VII- Semester (Main/Back) End Semester Examination, November 2022  **(CC)** | |
| **BCC07109 : Advanced Server-side Scripting Languages** | | | |

# 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-----------------------**

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | What is the Pros and Cons of web services? List out the different scripting languages. | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  | **(b)** | Define CMS. Describe the working of CMS and enlist the key advantages of using a content management system. | **(6)** | **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.2** | **(a)** | Explain Server-side scripting. Which language is more powerful to create server-side script and why? | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Explain Wikis and Weblogs. What are the differences between wikis and weblogs? | **(6)** | **Understand** |
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|  |  | **UNIT-II (CO2)** |  |  |
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| **Q.3** | **(a)** | Describe the diamond problem in python. How can be removed this problem explain with a suitable example. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Define super(). What is the use of the super() function? Write the program. | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.4** | **(a)** | Differentiate between abstraction and inheritance. Can we inherit a private class? If yes justify your answer. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Define following?  1. map() 2. zip() 3. reduce(). | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  |  | **UNIT-III (CO3)** |  |  |
|  |  |  |  |  |
| **Q.5** | **(a)** | Explain CRUD operations with an example from the rails console and also mention the importance of CRUD operations. | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Explain dry code with a suitable example. Where we can use it give a suitable example. | **(6)** | **Apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.6** | **(a)** | How do create, add users and delete users on authentication in ruby on rails development? | **(6)** | **Create** |
|  |  |  |  |  |
|  | **(b)** | Define validation. How will you validate registered information? And why validation is important. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  |  | **UNIT-IV (CO4)** |  |  |
|  |  |  |  |  |
| **Q.7** | **(a)** | Explain socket programming; Discuss the widely used terminology in networking. | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Describe the following:  1. Hash set 2. Tree set | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.8** | **(a)** | Illustrate the steps to connect java to MySQL database, what is port no. in the connection, and on which port no. MYSQL runs. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Define generic class. Create an interface in J2EE. | **(6)** | **Create** |
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|  |  | **UNIT-V (CO5)** |  |  |
|  |  |  |  |  |
| **Q.9** | **(a)** | What is the use of pip in creating a Django project? Give 5 suitable examples. | **(6)** | **Apply** |
|  |  |  |  |  |
|  | **(b)** | How to connect Django Project to the database? What is the need of a database in the Django Project? | **(6)** | **Create** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.10** | **(a)** | Explain MVT Layer, What is the need of MVT layers? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Explain the Django model with a suitable diagram and also explain the term used in the model. | **(6)** | **Understand** |