**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **3BT5189** | Roll No. | Total Printed Pages: 2 |
| **3BT5189** |  |
| B. Tech. III Year V-Semester (Main/Back) End Semester Examination, November 2022  **(CE)** | |
| **BCE 05103 : Enterprise Application Development** | | | |

# 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)** | Define Enterprise Architecture. Define any four objectives of Enterprise Architecture with example of each. | **(6)** | **Understanding and evaluating** |
|  |  |  |  |  |
|  | **(b)** | Define the life cycle of Enterprise Architecture with the help of an appropriate diagram. Also, list out any two benefit areas of enterprise architecture. | **(6)** | **Analyze and apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.2** | **(a)** | What is ERP? Explain any four components of ERP. | **(6)** | **Remembering and understanding** |
|  |  |  |  |  |
|  | **(b)** | Define CRM in reference to the below topics:  i. purpose of CRM ii phases of CRM iii. uses of CRM in different fields | **(2\*3)** | **Understanding and applying** |
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|  |  | **UNIT-II (CO2)** |  |  |
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| **Q.3** | **(a)** | Suppose you are developing an enterprise Application. What are the features of any JSP which you could utilise in your application? How this could make your project better. Explain with the help of a suitable example | **(6)** | **Remembering and understanding** |
|  |  |  |  |  |
|  | **(b)** | A developer wants to make an enterprise Application without the use of JSF. If he could use the JSF what could be the benefit and how could the efficiency of the project could be increased. Explain with the help of a suitable example. | **(6)** | **Understand and apply** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.4** | **(a)** | Suppose you are making a project utilising the features of JSF. What could be the different features/tags you can use for the same in your application? Explain any five with example. | **(6)** | **Analyzing and evaluating** |
|  |  |  |  |  |
|  | **(b)** | Let a project is made by using the JSP in the program. What would be the life cycle of the project in this case? Explain by taking a suitable example. | **(6)** | **Understand and apply** |
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|  |  | **UNIT-III (CO3)** |  |  |
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| **Q.5** | **(a)** | How does a result set is returned from the statement objects resulting in the execution of a query. Explain with the help of a suitable example of database connectivity in java. | **(6)** | **Analyze and apply** |
|  |  |  |  |  |
|  | **(b)** | Define the role of entity manager , entity transaction , persistence and query generation with reference to JPA with the help of a suitable diagram | **(6)** | **Analyze and create** |
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|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.6** | **(a)** | Differentiate between JPA and JTA Architecture with the help of a suitable diagram for each. Also list out the different services provided by them. | **(6)** | **Analyze and Evaluate** |
|  |  |  |  |  |
|  | **(b)** | Explain the different operations which could be performed by connecting with a database with the help of a JDBC API of enterprise Java with the help of a suitable example. | **(3+3)** | **Analyze and create** |
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|  |  | **UNIT-IV (CO4)** |  |  |
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| **Q.7** | **(a)** | Suppose I want to use an Enterprise Bean which should last for as long as the application is deployed. Which flavour of Enterprise bean I will use in this case? Justify with the help of a suitable example. | **(6)** | **Remembering and applying** |
|  |  |  |  |  |
|  | **(b)** | Describe the MVC architecture being utilized through different business enterprises by taking a suitable example | **(6)** | **Understanding and remembering** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.8** | **(a)** | Describe the three different types of OLAP through which you can perform the task of data analytics. Also explain which method should be used in which case by taking the example for each type. | **(6)** | **Analyzing and evaluating** |
|  |  |  |  |  |
|  | **(b)** | Which flavour of Enterprise Bean is known as extremely forgetful one and why. Explain with the help of an example? | **(6)** | **Analyze and apply** |
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|  |  | **UNIT V (CO5)** |  |  |
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| **Q.9** | **(a)** | Explain the various types of risks involved in Enterprise Mobility. Explain all in detail | **(6)** | **Analyzing and evaluating** |
|  |  |  |  |  |
|  | **(b)** | Illustrate the Enterprise Mobility Architecture with the help of a diagram. Explain all. | **(6)** | **Understanding and remembering** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.10** | **(a)** | Explain the various types of artefacts depict the estimation of mobile middleware and its incremental use and patterns? | **(6)** | **Analyze and apply** |
|  |  |  |  |  |
|  | **(b)** | What are the various features of HTML5? Explain all and also define them. | **(6)** | **Understanding and remembering** |