|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name:**  **Enrolment No:** | | A picture containing text, clipart  Description automatically generated | | |
| UPESEnd Semester Examination (DR), October 2025Programme Name: Bachelor of Computer Appli.-Spl CSF Semester:Course Name : Service Oriented Architecture Time : 1.5 hrsCourse Code : CSEG3049P Max. Marks: 50Nos. of page(s) : 1 Calculator allowed: YesInstructions: Please attempt according to the time provided and given weightage. | | | | |
| **SECTION A**  **Attempt all questions** | | | | |
| **S. No.** |  | | **Marks** | **CO** |
| Q 1 | Compare and explain the challenges faced in Service-Oriented Architecture (SOA)–based systems versus traditional software applications. | | **5** | **C01** |
| Q 2 | List and discuss the major components of SOA Governance Policies and their significance in enterprise integration. | | **5** | **C01** |
| Q 3 | Expand and explain the following terms:  a) UDDI b) SOAP c) WSDL d) XML e) SOI f) HTTP g) TOGAF h) BPMN | | **5** | **CO2** |
| **SECTION B** | | | | |
| Q 4 | Differentiate between Service-Oriented Architecture (SOA) and Enterprise Architecture (EA). Explain with suitable examples from business domains. | | **10** | **CO3** |
| Q 5 | a) Draw any four Business Process Model and Notation (BPMN) symbols and explain their respective functionalities.  **OR**  b) Describe the key stages of the SOA lifecycle. Illustrate each stage with a diagram. | | **10** | **CO3** |
| **SECTION C** | | | | |
| Q 6 | a) Explain the concept of Component-Based Design (CBD). Outline the steps involved in developing component-based software architecture.  **OR**  b) Discuss the UDDI (Universal Description, Discovery and Integration) registry. Explain its core elements and their roles in enabling web service discovery. | | **15** | **CO4** |