



Faculty	Faculty of Engineering and Technology		
Assessment Name (Eg: End/Sup)	End	Paper Code	CEAI/E 22-E
Module Name	Enterprise Application Integration	Module Code	C9-EAI-15
Semester (E.g Jul-Dec-2021)	May-Oct 2022	Submission Mode (E.g Turnitin, blackboard, hardcopy)	Turnitin
Total Marks	100	Duration	6 weeks
Assessment Type (Eg: Written/Practical/Submission)	Submission	Exam/Submission Date	28/10/2022

Instructions

1. The student must mention his/her name and student id on the cover page.
2. Use strictly Harvard reference style only in your document.
3. The document must have one single file and it must be submitted via your turnit-in account on or before deadline. The login information will be sent to your mail id.
4. The deadline for submission is 28/10/2022. Late submission will not entertain under any case.
5. The plagiarized contents of the document will not be considered for evaluation. It is solely responsibility of the student to check the plagiarism and possible try to reduce it.

Attempt ALL questions.

[Total Marks: 100]

Q1 [40]

Assume you are employed by the income tax division. To calculate income taxes, a distributed application must be designed. To calculate income tax, the following requirements must be met:

- a. The RPC (Remote Procedure Call) protocol must be used as a means of communication. [10]
- b. You must create the client-side and server-side code needed to conduct network communication. [25]
- c. Cite at least 10 reputable journal or conference sources. [5]

Q2 [40]

a. Assume you work for a corporation that manages account-related information across several branches that are dispersed throughout the world. You use Enterprise JavaBean (EJB) to create a distributed object application that generates the payroll system for the employees in your company. [30]

- c. List at least five benefits of generating payroll systems using EJB. [5]
- b. List at least ten journal or conference references. [5]

Q3 [30]

Organization X has numerous branches spread out around the city. At each of these places, the work has been completed separately and then manually integrated. Your objective is to utilise Simple Object Access Protocol (SOAP) technology to automatically integrate the entire task. In order to proceed, you must:

- a. Analyse the current system and consider how SOAP integration will meet the diverse needs of a heterogeneous system. [20]
- b. List at least five difficulties you had integrating the system. [5]
- b. Provide at least 10 journal or conference references. [5]

Eff Date: 17-05-2021

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