

Faculty of Engineering Technology

Term-Test 2 Question Paper – B.Tech

Department : Computer Science and Engineering
 Programme : B.Tech (CSE)
 Semester / Batch : 7/2017
 Date of Test : 05/1/2021
 Course Code : CSC402A
 Course Title : Web Architecture and Application Development

Term Test -2

INSTRUCTIONS TO STUDENTS:

1. Answer all the questions
2. Use only SI units
3. Use of non-programmable scientific calculator is permitted
4. Use of data handbook permitted wherever applicable
5. Missing data may be appropriately assumed
6. Notations used have usual meaning
7. **Mail the scanned answer sheets in pdf format within the stipulated time to the link shared in the department group.**

Maximum Duration: 1.15 Hours

Maximum Marks: 25

IMPORTANT:

You may **retain the question paper for future reference**

Q. No.	Question	Marks	CO
1	a) List the benefits of Pipe and filter architecture.	2	2
	a) Design an application for bank transactions with a neat block diagram based on batch sequential architecture. Consider a particular bank transaction type such as credit card approval, money transfer transaction, etc.	3	4
2	a) Compare Repository style architecture with that of Black board architecture style.	2	3
	b) Recommend a suitable data flow architecture to develop an embedded critical cruise control system, with a neat block diagram showing the data flow in the system.	3	4
3	a) Explain the PAC (Presentation Abstraction Control) architecture and mode of communication between multiple agents.	3	3
	b) List the benefits of publish subscribe messaging architecture.	2	3
4	a) Explain the concept of Message oriented middleware.	3	2
	b) Outline the pros and cons of layered architectures.	2	2

5	Design the software architecture for an employee online registration system using the MVC architecture.	5	4
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CO (ILO) – Course Outcomes.