

**Shivaji University, Kolhapur  
Department of Technology  
Continuous Internal Evaluation**

**Unit Test - 1**

**Class: Final Year B. Tech (Computer Science and Technology)**

**Academic Year: 2022-23, Semester: VII Course: Distributed Systems**

**Total Marks: 20**

**Time: 1 Hour**

**Day & Date: Thursday, 20/10/2022 Time :- 12 pm to 1 pm**

**Instructions:**

1. Content of the table indicates Bloom's Level, Course Outcome and marks to the question respectively.
2. Draw neat and clean diagram whenever necessary.

	QUESTIONS	Bloom's Level	CO	MARKS
Q.1	Classify the types of transparency in Distributed System.	Analyze	CO1	6
Q.2	Demonstrate distributed computing system	Analyze	CO1	8
Q.3	Illustrate remote computation through RPC	Evaluating	CO2	6

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**Unit Test: I**

**Class: Final Year B.Tech (Computer Science and Technology) Academic Year: 2022-23**

**Semester: VII**

**Course: Advanced Computer Architecture**

**Total Marks: 20**

**Time: 1 Hour 12 to 1pm**

**Day & Date: 19-10-2022 Wednesday**

**Instructions:**

1. Content of the table indicates Bloom's Level, Course Outcome and marks to the question respectively.
2. Draw neat and clean diagram whenever necessary.
3. Use of scientific but non-programmable calculator is permissible.
4. Question 1 is compulsory.
5. Solve any two from remaining

	QUESTIONS	Bloom's Level	CO	MARKS
✓ Q.1	Explain Flynn's classification in detail.	Understand	1	8
✓ Q.2	Explain vector supercomputer architecture in brief.	Understand	2	6
✓ Q.3	List and explain in brief Latency hiding techniques.	Remember, Understand	2	6
Q.4	Describe static and dataflow architecture.	Understand	3	6

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**Unit Test: I**

**Class: Final Year B.Tech (Computer Science and Technology) Academic Year: 2022-23**

**Semester: VII**

**Course: Project Management**

**Total Marks: 20**

**Time: 1 Hour 12.00pm to 01.00pm**

**Day & Date: 21-10-2022 Friday**

**Instructions:**

1. Content of the table indicates Bloom's Level, Course Outcome and marks to the question respectively.
2. Draw neat and clean diagram whenever necessary.
3. Solve all questions.

	<b>QUESTIONS</b>	<b>Bloom's Level</b>	<b>CO</b>	<b>MARKS</b>
Q.1	Discuss System view of project. Explain three sphere model for system management.	Understand , Apply	1	5
Q.2	Explain types of organizational structure in detail.	Apply	1	5
Q.3	Explain phases of traditional project life cycle.	Understand, Apply	2	5
Q.4	What is stakeholder?Explain types of stakeholder in detail.	Understand	1	5

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Unit Test: I

Class: Final Year B.Tech (Computer Science and Technology) Academic Year: 2022-23

Semester: VII

Course: Advanced Database Management System

Total Marks: 20

Time: 1 Hour 4.00 to 5.00pm

Day & Date: Wednesday, 19-10-2022

Instructions:

- Content of the table indicates Bloom's Level, Course Outcome and marks to the question respectively.
- Draw neat and clean diagram whenever necessary.
- Use of scientific but non-programmable calculator is permissible.

	QUESTIONS	Bloom's Level	CO	MARKS
Q.1	Illustrate and elaborate the speedup and scale up terms with parallel database.	Understand , Apply	1	6
Q.2	How to create a user defined structured type .With suitable example elaborate array and multiset in SQL.	Understand	2	6
Q.3	Elaborate object referencing in ORDBMS. Write a schema definition corresponding to following relational schema using references-  Emp( <u>Person_nm</u> , <u>street</u> , <u>city</u> )  Works( <u>Person_nm</u> , <u>Comp_nm</u> , <u>salary</u> )  Company( <u>Comp_nm</u> , <u>city</u> )  Manages( <u>Person_nm</u> , <u>manager_nm</u> )	Understand, Apply, Analyze	2	8

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Unit Test: I

Class: Final Year B.Tech (Computer Science and Technology) Academic Year: 2022-23

Semester: VII

Course: Advanced Database Management System

Total Marks: 20

Time: 1 Hour 4.00 to 5.00pm

Day & Date: Wednesday, 19-10-2022

Instructions:

- Content of the table indicates Bloom's Level, Course Outcome and marks to the question respectively.
- Draw neat and clean diagram whenever necessary.
- Use of scientific but non-programmable calculator is permissible.

	QUESTIONS	Bloom's Level	CO	MARKS
Q.1	Illustrate and elaborate the speedup and scale up terms with parallel database.	Understand , Apply	1	6
Q.2	How to create a user defined structured type .With suitable example elaborate array and multiset in SQL.	Understand	2	6
Q.3	Elaborate object referencing in ORDBMS. Write a schema definition corresponding to following relational schema using references-  Emp(Person_nm,street,city)  Works(Person_nm, Comp_nm,salary)  Company(Comp_nm,city)  Manages(Person_nm,manager_nm)	Understand, Apply, Analyze	2	8

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( Chap 2 )  
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**Unit Test - 2**

**Class: Final Year B. Tech (Computer Science and Technology)**

**Academic Year: 2022-23, Semester: VII Course: Distributed Systems**

**Total Marks: 20**

**Time: 1 Hour**

**Day & Date: Wednesday, 07 /12/2022 Time :- 12 pm to 1 pm**

**Instructions:**

1. Content of the table indicates Bloom's Level, Course Outcome and marks to the question respectively.
2. Draw neat and clean diagram whenever necessary.

	<b>QUESTIONS</b>	<b>Bloom's Level</b>	<b>CO</b>	<b>MARKS</b>
<b>Q.1</b>	Demonstrate the basic NFS architecture for UNIX systems.	Analyze	CO4	6
<b>Q.2</b>	Demonstrate distributed algorithm for mutual exclusion.	Analyze	CO3	6
<b>Q.3</b>	Compare RMBs and RNMBs Strategies of Sequential Consistency Model.	Evaluating	CO3	8

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Unit Test-2

Final Year B.Tech (Computer Sc. And Technology) Academic year: 2022-23

Semester: VII

Course: Network Engineering

Total Marks: 20

Time: 1 Hour

Day and Date: Wednesday , 4:30 to 5:30

Instructions:

1. Content of the table indicates Bloom's Level, Course Out come and marks to the Question respectively
2. Draw neat and clean diagram whenever necessary

	Question	Bloom's Level	CO	Marks
Q.1	With neat diagram explain Windows security component	Remembering	3	7
Q. 2	Analyse account rights and Privileges	Understandin g	3	7
Q. 3	Explain in detail structure of a driver?	Understandin g	4	6

chap3  
chap3  
chap4

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**Unit Test: II**

**Class: B. Tech (Computer Science and Technology)**

**Academic Year: 2022-23**

**Semester: VII**

**Course: Project Management**

**Total Marks: 20**

**Time: 1 Hour**

**Day & Date: Saturday, 08 / 12 / 2022, 12:00 to 1:00**

**Instructions:**

➤ Solve any two questions

1. Content of the table indicates Bloom's Level, Course Outcome and marks to the question  
Respectively

2. Draw neat and clean diagram whenever necessary.

3. Use of scientific but non-programmable calculator is permissible.

	<b>QUESTIONS</b>	<b>Bloom's Level</b>	<b>CO</b>	<b>MARKS</b>
<b>Q.1</b>	How to create WBS? Explain WBS organized by product & phase.	Apply		5 Marks
<b>Q.2</b>	State and Explain Activity sequencing with its different types of dependency.	Remember		5 Marks
<b>Q.3</b>	Explain in brief cost estimation, with its types.	Understand		5 Marks
<b>Q.4</b>	Give tools and techniques required for Quality control	Remember		5 Marks

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**Unit Test: II**

Class: Final Year B.Tech (Computer Science and Technology) Academic Year: 2022-23  
Semester: VII Course: Advanced Computer Architecture  
Total Marks: 20 Time: 1 Hour 12 to 1pm  
Day & Date: 6-12-2022 Tuesday

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**Instructions:**

1. Content of the table indicates Bloom's Level, Course Outcome and marks to the question respectively.
  2. Draw neat and clean diagram whenever necessary.
  3. Use of scientific but non-programmable calculator is permissible.
  4. Question 1 is compulsory.
  5. Solve any two from remaining
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	QUESTIONS	Bloom's Level	C O	MARKS
Q.1	Explain Tightly coupled multiprocessor architecture in detail.	Understand	4	8
Q.2	Explain need of Data dependency and types of data dependencies.	Understand	5	6
Q.3	List out types of levels of parallelism and explain it in detail with neat diagram. <i>ILPs, J</i>	Understand, Remember	1,5	6
Q.4	Write a short note on- (each of 3marks) a)Control dependence b)Hardware and Software Parallelism	Understand	5,6	6