

Shivaji University, Kolhapur
Department of Technology
Continuous Internal Evaluation

Mid Term Test (1) 2023-2024

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

Academic Year: 2023-24

Semester: VII

Course: High Performance Computing

Total Marks: 20

Time: 1 Hour 12.30 to 1.30 pm

Day & Date: 25-09-2023 Monday

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	CO	MARKS
Q.1	Explain Flynn's classification in detail.	Understand	1	8
Q.2	Explain vector supercomputer architecture in brief.	Understand	1	6
Q.3	Describe in brief prefetching techniques.	Understand	3	6
Q.4	List and explain classification of pipelined processors.	Remember, Understand	2	6

Shivaji University, Kolhapur
Department of Technology
Continuous Internal Evaluation
MID SEM EXAM

Class: Final Year B.Tech (Computer Science and Technology) Academic Year: 2023-24

Semester: VII

Total Marks: 20

Day & Date: Monday 25-09-2023

Course: Advanced Database Management System

Time: 1 Hour 4.30 to 5.30pm

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.

	QUESTIONS	Bloom's Level	CO	MARKS
Q.1 <i>Chap 1</i>	Illustrate and elaborate the speedup and scale up terms with parallel database.	Understand , Apply	1	5
Q.2 <i>Chap 2</i>	How to create a user defined structured type .With suitable example elaborate array and multiset in SQL.	Understand	2	5
Q.3 <i>Chap 3</i>	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	5
Q.4	With a suitable example explain the concept of parallel sort.	Understand	3	5

Instructions: - 1) Figures to the right indicate full marks.

Chap 1 Q.1 Describe Services, Functions and Routines in Windows Operating System? (Remembering) 6

Chap 2 Q.2 Describe System Process on Windows? (Understanding) 7

Chap 1 Q.3 what is Thread in windows operating system? List and explain various component of it? (Understanding) 7

Shivaji University, Kolhapur
Department of Technology
Continuous Internal Evaluation
Mid Semester Examination

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

Academic Year: 2023-24, Semester: VII Course: Distributed and Cloud Computing

Total Marks: 20

Time: 1 Hour

Day & Date: Tuesday, 26/09/2023

Time :- 12:30 to 1:30

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	What is virtualization? Demonstrate different architectures of virtual machines.	Analyze	CO2	7
Q.2	Demonstrate distributed information system	Analyze	CO1	6
Q.3	Illustrate RPC in distributed system	Evaluating	CO2	7

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Continuous Internal Evaluation
Mid Semester Examination

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

Academic Year: 2023-24, Semester: VII

Total Marks: 20

Day & Date: Wednesday, 27/09/2023

Course: Project Management

Time: 1 Hour

Time :- 12:30 to 1:30

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	Demonstrate Project management framework.	Apply	CO1	7
Q.2	Explain in detail Project attributes & triple constraints of project.	Understand	CO1	6
Q.3	List and Explain the processes involved in scope management.	Remember	CO2	7

Shivaji University, Kolhapur
Department of Technology
Continuous Internal Evaluation
Mid Term Test (2)

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

Academic Year: 2023-24

Semester: VII

Course: High Performance Computing

Total Marks: 20

Time: 1 Hour 12.30 to 1.30 pm

Day & Date: 19-10-2023 Thursday

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	CO	MARKS
Q.1	What is instruction pipelining concept? Explain VLIW architecture in detail.	Understand	1	8
Q.2	Explain Message Passing Track in brief.	Understand	1	6
Q.3	What is concept of Multithreading? Explain Multithreading models in detail.	Understand	3	6
Q.4	Describe the use of systolic arrays in multithreading with its applications.	Remember, Understand	2	6



Department Of Technology, Shivaji University Kolhapur

Mid Term Test (Repeat)

Subject: Advanced Network Engineering

2023-2024

Class: Final Year BTech.CST

Max. Marks: 20

Date: 20/10/23

Time: 1 Hour

Instructions: - 1) Figures to the right indicate full marks.

Q.1 Describe Services, Functions and Routines in Windows Operating System? (Remembering) 6

Q.2 Describe Virtual Memory implementation on Windows? (Understanding) 7

Q.3. Describe windows Subsystem? List and explain various processes on it? (Understanding) 7

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Continuous Internal Evaluation
Mid Semester Examination

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

Academic Year: 2023-24, Semester: VII Course: Distributed and Cloud Computing

Total Marks: 20

Time: 1 Hour

Day & Date: Friday , 20/10/2023 Time :- 12.30 PM to 1.30 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	State and explain different types of transparencies in distributed system.	Analyze	CO2	7
Q.2	Demonstrate distributed computing system	Analyze	CO1	6
Q.3	Illustrate RPC in distributed system	Evaluating	CO2	7

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Mid Semester Examination

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

Academic Year: 2023-24, Semester: VII

Total Marks: 20

Day & Date: Saturday, 21/10/2023

Course: Project Management

Time: 1 Hour

Time :- 12.30 PM to 1.30 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	What is the role of project manager for good project management with suggested skills for project managers?	Remember	CO2	7
Q.2	Explain in detail Return on investment (ROI)	Understand	CO1	6
Q.3	Elaborate the term Payback analysis	Understand	CO1	7