



SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai, NAAC Accredited, NBA Accredited program,
ISO 9001:2015 Certified | DTE Code No: 3423, Recognized under Section 2(f) of the UGC Act 1956, Minority Status (Hindi Linguistic)

Criteria 2- Teaching- Learning and Evaluation

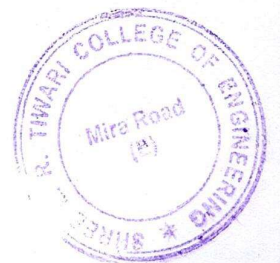
Key Indicator- 2.5. Evaluation Process and Reforms

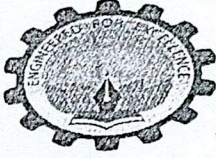
Internal Assessment Time Table and Internal Assessment Question paper (Sample)

Dr. Deven Shah

Principal
Principal

Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E.)





Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

(Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai)
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified | DTE Code No. : 3428
Minority Status (Hindi Linguistic)

Academic Year 2022-23

Term Test – II

Branch: IT
Subject: DSA

Date: 10-10-2022
Time: 3.30 to 4.30 PM

Semester: III
Marks: 20


INSTRUCTIONS

1	Attempt any 5 questions from Q.1 each question carries 2 Marks
2	Attempt any 1 question from Q.2
3	Attempt any 1 question from Q.3

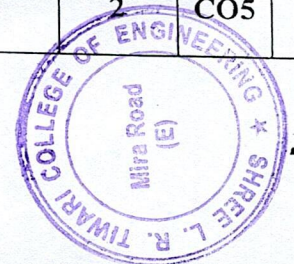
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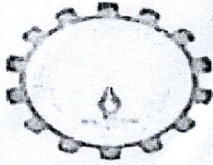
CO1	Classify and Apply the concept of Stack, queue and linked list in real time problem solving
CO2	Classify, apply and analyze the concepts trees in real life problem solving.
CO3	Illustrate and justify the concepts of Graph in real life problem solving.

Q.1 Attempt any 5 from the following.		Marks	CO	RBT Level
a.	Write an algorithm and time complexity for Bubble Sort.	2	CO5	L3
b.	Write short note on-Binary Search	2	CO5	L3
c.	Write an algorithm for merge sort and comment on its time complexity.	2	CO5	L3
d.	Explain Hash Function? List types of hash functions.	2	CO5	L3
e	List time complexity of Insertion sort, Bubble sort, selection sort, heap sort, quick sort, merge sort.	2	CO5	L3
f	Define Recursion? State its advantages and disadvantages.	2	CO5	L2


Principal

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Shree Balaji Education Society's (Regd.)

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NAAC Accredited, UHA Accredited Program, ISO 9001:2015 Certified (DTE Code No. 142)
Ministry of Technical Education, Maharashtra

Academic Year 2022-23

DATE: 6/04/2023

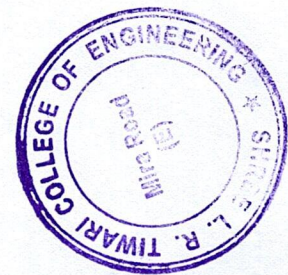
NOTICE

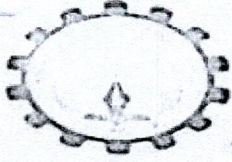
All the students of S.E to B.E are hereby informed that Internal Assessment Test - II which was scheduled on 15th, 17th and 18th April, 2023 will now be conducted on 17th, 18th and 19th April 2023, as per new time table. Students are informed to take note of new IAT II dates.

Mrs. Zainab Mizwan
Incharge of Examination

Dr. Umesh Bhadade
Vice Principal

Principal
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E.)





Shree Rahul Education Society's (Pregd.)
**SHREE L. R. TIWARI
COLLEGE OF ENGINEERING**


Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified [DTE Code No. 1423
Mumbai State (Doubt Eliminator)]

Academic Year 2022-23

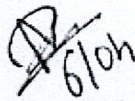
INTERNAL ASSESSMENT TEST - II

SE SEM IV

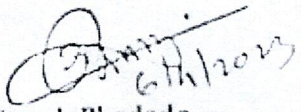
DATE	TIME	EXTC	ECS	COMP	IT	MECH	CIVIL
17/04/2023	11.30am -12:30 pm	EM-IV	EM-IV	EM-IV	EM-IV	EM-IV	EM-IV
17/04/2023	03.30pm -04:30 pm	MC	EC	AOA	CNND	FM	SA
18/04/2023	11.30am -12:30 pm	LIC	CI	DMS	OS	KOM	SURVEYING
18/04/2023	03.30pm -04:30 pm	SS	MPMC	OS	AT	CAD/CAM	BMCT
19/04/2023	11.30am -12:30 pm	PCE	DSAT	MP	COA	IE	EM-II


Mrs. Dipti H. Kale

Time table Coordinator


Mrs. Zainab Mizwan

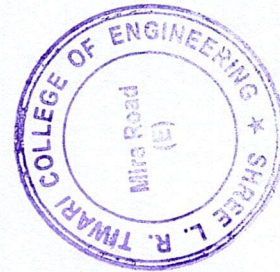
Incharge of Examination

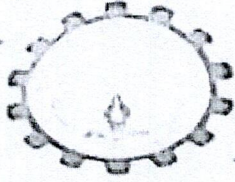

Dr. Umesh Bhadade

Vice Principal


Principal

Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E.)



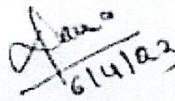


Academic Year 2022-23

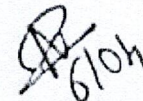
INTERNAL ASSESSMENT TEST - II

TE SEM VI

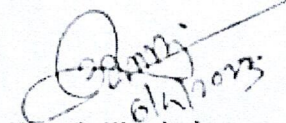
DATE	TIME	EXTC	ECS	COMP	IT	MECH	CIVIL
17/04/2023	09.30 am - 10:30 am	EMA	ES & RTOS	SPCC	DMBI	MD	DDSS
17/04/2023	01.30 pm - 02:30 pm	CCN	AI	CSS	WEB X.O	TM	WRE
18/04/2023	09:30 am - 10:30 am	IPMV	CN	MC	WT	HVACR	GE-II
18/04/2023	01.30 pm - 02:30 pm	ANNFL	DWM	AI	AI & DS-I	A & AI	EE
19/04/2023	09.30 am - 10:30 am	DLO DBMS / RADAR	DLO ML	DLO QA	DLO GIT	DLO MFT/PTD	CET


Mrs. Dipti H. Kale

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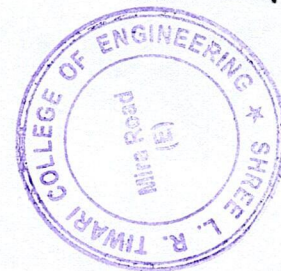
Incharge of Examination


Dr. Umesh Bhadade

Vice Principal


Principal

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Kanakiya Park, Mira Road (E.)





Shree Rahul Education Society's (Regd.)

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NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified | DTE Code No. : 3423
Minority Status (Hindi Linguistic)

Academic Year 2022-23

Term Test – I

Branch: IT
Subject: DSA

Date: 26-8-2022
Time: 3.30 to 4.30 PM

Semester: III
Marks: 20

INSTRUCTIONS

1	Attempt any 5 questions from Q.1 each question carries 2 Marks
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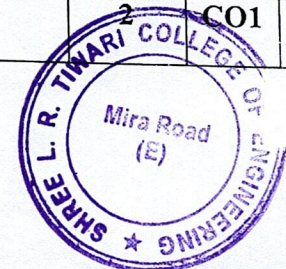
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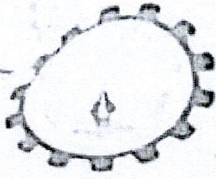
CO1	Classify and Apply the concept of Stack, queue and linked list in real time problem solving
CO2	Classify, apply and analyze the concepts trees in real life problem solving.
CO3	Illustrate and justify the concepts of Graph in real life problem solving.

Q.1 Attempt any 5 from the following.		Marks	CO	RBT Level
a.	List and Explain the applications of Queue?	2	CO1	L1
b.	List and Explain the advantages of Doubly Linked List?	2	CO1	L2
c.	Explain Static and Dynamic Data structures.	2	CO1	L2
d.	Define linked list? List advantages of linked list.	2	CO1	L1
e.	Define a Graph. List the types of Graphs with the example.	2	CO1	L1
f.	Write an algorithm to implement queue using array.	2	CO1	L3
g.	List and Explain Rotations in AVL Trees	2	CO1	L2


Principal

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NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified, DTE Code No. 1023
Mumbai, Maharashtra, India, Engineering

Academic Year 2022-23

INTERNAL ASSESSMENT TEST -II

BE SEM VIII

DATE	TIME	EXTC	ETRX	COMP	IT	MECH	CIVIL
17/04/2023	11.30am- 12:30 pm	OCN	IA	DC	BC	OPC	CM
17/04/2023	03.30pm- 04:30 pm	DLO1 WN	DLO1 WD	DLO1 SMA	DLO1 BDA	DLO1 CM/SM	DLO1 IWT
18/04/2023	11.30am- 12:30 pm	DLO2 SC	DLO2 NGN	DLO 2 DF/DL	DLO2 UID	DLO2 PDD/TQM	DLO2 PCWWWT
18/04/2023	03.30pm- 04:30 pm	ILO EM	ILO EM	ILO2 PM	ILO EM	ILO FM/EM/DBM	ILO EM

6/14/24

Mrs. Dipti H. Kale

Time table Coordinator

6/10/24

Mrs. Zahrah Mizwan

Incharge of Examination

6/16/23

Dr. Umesh Bhadade

Vice Principal



Principal
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E)

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Q.2 a	Apply Binary search tree for following elements. 46, 40, 57, 13, 35, 79, 35	5	CO2	L6
Or				
Q.2 b	Apply AVL Tree with following set of Data 6, 4, 22, 10, 2, 14, 3, 8, 11, 5, 9	5	CO2	L6
Or				
Q.3 a	Explain Spanning trees with examples.	5	CO3	L2
Or				
Q.3 b	Write a short note on BFS	5	CO3	L3



[Handwritten Signature]

Principal

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