



T.J.S ENGINEERING COLLEGE

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

Accredited by NAAC / ISO 9001:2015 Certified Institution

TJS Nagar, Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District -601206



2.5.2. QIM	Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient
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Students Grievance



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INTERNAL EXAMINATION- STUDENT GRIEVANCE FORM

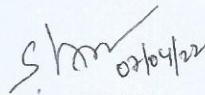
Details of the student	Details of the question paper
Name: S. Indhu. S. Divya.	Name of the exam: CAT I / CAT II / MODEL ✓
Reg. no.: 112819106006. 112819106004.	Sub name: VLSI Design.
Sem / Year: VI / III	Sub code: EC 8095
Department: ECE	Date of the exam: 7/4/2022.
Grievance: The question paper, was more split up and answers were lengthy so we could not able to answer the questions within the stipulated time. So please consider our request.	

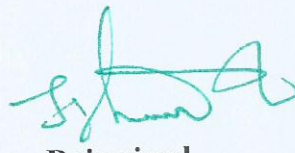
1st S. Indhu

2nd S. Divya

Sign. of student

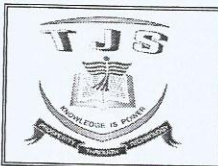

Subject Staff


HOD


Principal



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CAT-I QUESTION PAPER
2021-2022 EVEN SEMESTER



SUBJECT NAME : VLSI DESIGN	SUBJECT CODE : EC8095
YEAR : III	SEMESTER : VI
DATE : 07.04.2022	TIME : 10:40 AM TO 12:20 PM
FACULTY NAME: G.BHAVANI	MAX MARKS : 50 Marks

CO 1	Realize the concepts of digital building blocks using MOS transistor.
CO 2	Design combinational MOS circuits and power strategies.
CO 3	Design and construct Sequential Circuits and Timing systems.
CO 4	Design arithmetic building blocks and memory subsystems.
CO 5	Apply and implement FPGA design flow and testing.
K1- Remembering K2- Understanding	K3- Applying K4- Analyzing K5- Evaluating K6- Creating

Answer ALL questions				
PART - A — (5 × 2 = 10 Marks)				
Q.NO	QUESTION	MARK	CO-MAPPING	BLOOM'S TAXONOMY
1	What is velocity saturation effect?	2	CO3	K1
2	List the scaling principles.	2	CO3	K2
3	Why nmos device conducts strong zero and weak one?	2	CO4	K2
4	Define elmore constant.	2	CO4	K1
5	Realize $x=b+c$ and $y=(a.(b+c))$ using multiple output domino stage.	2	CO4	K1
PART - B — (2 × 13 = 26 Marks)				
6 a.	i) Explain power dissipation and their sources. ii) Write layout design rules & draw diagram for four input NAND & NOR gates.	13	CO3	K1
(OR)				
6 b.	Explain in detail about ideal and non ideal I-V characteristics.	7	CO3	K2
7 a.	Explain the basic concept of static circuits with neat diagram.	13	CO4	K1
(OR)				
7 b.	Explain the dynamic circuits with neat diagram.	13	CO4	K2
PART - C — (1 × 14 = 14 Marks)				
8 a.	i) Explain the C-V characteristics MOS transistors. ii) Draw the CMOS diagram for $Z=[A[B+C]+DE]$.	14	CO3	K1
8 b.	i) Explain in detail about DC transfer characteristics of cmos device. ii) Draw the cmos diagram for AND & OR gates.	14	CO4	K2

FACULTY INCHARGE



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING STUDENTS GRIEVENCE MINUTES OF MEETING


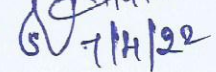
MEETING MEMBERS:


1. Dr. S. VELMURUGAN, HOD-ECE.
2. Mrs. C. SHALINI, CLASS ADVISOR/III YEAR ECE.
3. Mrs. G. BHAVANI.

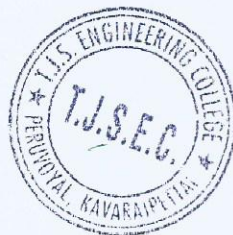
MINUTES OF MEETING

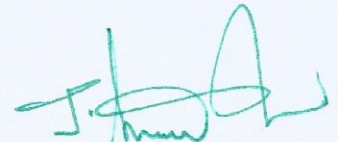
- We had a meeting with HOD on 7/4/2022 at 10:00 am at HOD cabin regrading grievance meeting about the subject question paper from the class representative.
- The subject staff has given explanation about the important of the question which is repeatedly asked in previous year question papers.
- The HOD has given the suggestion, that all must set the question paper to be answered within the time bound at maximum marks.

Signature of the meeting members

1. 
2. 


HOD




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Feedback Form for Internal Assessment



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

FEEDBACK FORM FOR ^{ODD} SEMESTER 2021-2022



SUBJECT CODE / SUBJECT NAME: EC8791 FERTS

STAFF NAME: G. BHAVANI

YEAR/SEM: IV / VII

FACULTY FEEDBACK

DATE OF EXAM: 27/12/21

PART-A		PART-B	
Q.NO	MODEL QP	Q.NO	MODEL QP
1	Easy	11a	Easy.
2	Easy	11b	Moderate.
3	Easy.	12a	Easy
4	Moderate.	12b	Easy.
5	Easy.	13a	Easy.
6	Easy.	13b	Easy.
7	Moderate.	14a	Moderate.
8	Indirect.	14b	Easy.
9	Easy.	15a	Indirect.
10	Indirect.	15b	Easy.
PART C			
16a	Moderate (Recently asked)	16b	Easy.

STUDENTS FEEDBACK:

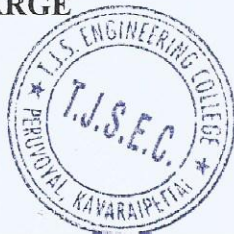
S.NO	Name of the students	BELOW AVERAGE		Name of the students	AVERAGE		Name of the students	ABOVE AVERAGE	
		PART-A	PART-B & C		PART-A	PART-B & C		PART-A	PART-B & C
1	Sabitna	Tough	moderate	Oviya	Easy	Moderate	NIKITHA	Hard	Easy
2	Siva Kumar	Easy	Moderate	Nareen kumar	Easy	Moderate	Mohammad	Easy	Moderate

TOTAL NO OF STUDENTS	NO OF STUDENTS PRESENT	NO OF STUDENTS ABSENT	EXPECTED PASS PERCENTAGE
39	34	05	80%

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