

PERI INSTITUTE OF TECHNOLOGY
IQAC ACADEMIC CALENDER 2022-23 ODD SEMESTER

JULY				AUGUST			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Fri			1	Mon	IQAC Academic Verification	
2	Sat			2	Tue	Common Mentor Meeting -1	
3	Sun			3	Wed	SWA/ IE - Meeting -1	
4	Mon			4	Thu	Sports - Committee Meeting	
5	Tue			5	Fri	R&D Common Meeting -2	
6	Wed			6	Sat		
7	Thu			7	Sun		
8	Fri			8	Mon		
9	Sat			9	Tue	Holiday - Moharam	
10	Sun			10	Wed	Reopening For III,V and VII th Sem	1
11	Mon	End Semester feed back week		11	Thu	Class Committee Week	2
12	Tue	Skill development Meeting -1		12	Fri	EDC Meeting -2/CHS Meeting 2	3
13	Wed			13	Sat	IIC Meeting - 2	4
14	Thu			14	Sun		
15	Fri			15	Mon	Holiday - Independence day	
16	Sat			16	Tue	IQAC Meeting	5
17	Sun			17	Wed	Zeroth Review report	6
18	Mon	CHS - Meeting 1		18	Thu	ECE Association inagural	7
19	Tue			19	Fri	Holiday - Gokulastami	8
20	Wed			20	Sat		9
21	Thu	IQAC Meeting -1		21	Sun		
22	Fri	R&D Common Meeting -1		22	Mon	Skill development Meeting -3	10
23	Sat			23	Tue	Mechanical Association inagural	11
24	Sun			24	Wed		12
25	Mon	Governing Council meeting/IQAC Audit week		25	Thu		13
26	Tue	Skill development Meeting -2		26	Fri	CSE Association Inagural/EDC Meeting - 2	14
27	Wed	IIC Meeting - 1		27	Sat	R&D Common Meeting -3	15
28	Thu			28	Sun		
29	Fri	EDC Meeting -1		29	Mon	Class Committee Week/CAT Coordinator meeting	16
30	Sat			30	Tue	EEE Association inagural	17
				31	Wed	Holiday - Vinayaar Sathurthi	

SEPTEMBER				OCTOBER			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Thu	CHS - Meeting 3	18	1	Sat		42
2	Fri	Civil Association inagural	19	2	Sun		
3	Sat	Teachers Day Celebration/Mentor Meeting - 2		3	Mon		
4	Sun			4	Tue	Holiday - Saraswathi pooja	
5	Mon		20	5	Wed	Hoiday - Vijaya Dhasami	
6	Tue	IIC Meeting - 3	21	6	Thu		43
7	Wed	First Review report	22	7	Fri		44
8	Thu	Skill development Meeting -4	23	8	Sat	Second Review report	45
9	Fri	EDC Meeting -3	24	9	Sun		
10	Sat	R&D Common Meeting -4	25	10	Mon		46
11	Sun			11	Tue		47
12	Mon	Commencement of CAT 1 Exam-2nd,3rd&4th year	26	12	Wed		48
13	Tue		27	13	Thu		49
14	Wed		28	14	Fri		50
15	Thu		29	15	Sat	R&D Common Meeting -6	51
16	Fri		30	16	Sun		
17	Sat	Mid- Sem feed back week		17	Mon	Class Committee Week	52
18	Sun			18	Tue	IIC Meeting - 5	53
19	Mon		31	19	Wed		54
20	Tue		32	20	Thu		55
21	Wed		33	21	Fri		56
22	Thu		34	22	Sat	Mentor Meeting -3	
23	Fri		35	23	Sun		
24	Sat	R&D Common Meeting -5	36	24	Mon	Holiday - Deepavali	
25	Sun			25	Tue	Holiday - Deepavali	
26	Mon	Class Committee Week	37	26	Wed		57
27	Tue		38	27	Thu		58
28	Wed		39	28	Fri		59
29	Thu		40	29	Sat		60
30	Fri	IIC Meeting - 4	41	30	Sun		
				31	Mon		61

PERI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Calendar for Odd Semester (2022-2023) (II YEAR)

JULY

AUGUST

Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Fri			1	Mon	IQAC Academic Verification	
2	Sat			2	Tue	UP skilling Meeting-1/Common Mentor Meeting-1	
3	Sun			3	Wed		
4	Mon			4	Thu		
5	Tue			5	Fri	FSD Meeting-1/R&D Common Meeting -2	
6	Wed			6	Sat		
7	Thu			7	Sun		
8	Fri			8	Mon		
9	Sat			9	Tue	Holiday - Moharam	
10	Sun			10	Wed	Reopening For III,V and VII th Sem	1
11	Mon	End Semester feed back week		11	Thu	Zeroth Review-IV yr/Lab Meeting-1	2
12	Tue	Skill development Meeting -1		12	Fri	Zeroth Review-III yr	3
13	Wed			13	Sat	Zeroth Review-II yr	4
14	Thu			14	Sun		
15	Fri			15	Mon	Holiday - Independence day	
16	Sat			16	Tue	SSD Meeting	5
17	Sun			17	Wed	Zeroth Review report	6
18	Mon			18	Thu	MOU Sign-Aristro Infra	7
19	Tue			19	Fri	Holiday - Gokulastami	8
20	Wed			20	Sat		9
21	Thu	IQAC Meeting -1		21	Sun		
22	Fri	R&D Common Meeting -1		22	Mon	Dept R & D Meeting	10
23	Sat	NPTEL Course Registration Report submission		23	Tue	VAC Meeting-1	11
24	Sun			24	Wed	CBS Meeting-1/MOU sign Jokar Creations	12
25	Mon	Governing Council meeting/IQAC Audit week		25	Thu	SSD Report submission	13
26	Tue			26	Fri	CSE Association Inagural	14
27	Wed			27	Sat	NPTEL Course Review-I	15
28	Thu			28	Sun		
29	Fri			29	Mon	Class Committee Week/CAT Coordinator meeting	16
30	Sat	Dept R & D Meeting		30	Tue	First Review-IV yr/Upkilling Review Meeting -2	17
				31	Wed	Holiday - Vinayagar Sathurthi	

SEPTEMBER				OCTOBER			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Thu	First Review-III yr/Dept R & D Meeting	18	1	Sat	CAT Coordinator Meeting	42
2	Fri	Guest Lecture-Networking First Review-II yr/FSD Meeting-2	19	2	Sun		
3	Sat	Teachers Day Celebration/Mentor Meeting - 2		3	Mon	Quiz Competition -II Yr	
4	Sun			4	Tue	Holiday - Saraswathi pooja	
5	Mon		20	5	Wed	Holiday - Vijaya Dhasami	
6	Tue		21	6	Thu	Lab Meeting-3	43
7	Wed		22	7	Fri	Guest Lecture-GIS/FSD Meeting-3	44
8	Thu		23	8	Sat	Second Review report	45
9	Fri		24	9	Sun		
10	Sat		25	10	Mon		46
11	Sun			11	Tue		47
12	Mon	Commencement of CAT I Exam	26	12	Wed		48
13	Tue	Alumni Connect-1	27	13	Thu		49
14	Wed	NPTEL Course Review-II/VAC Meeting-2	28	14	Fri		50
15	Thu		29	15	Sat		51
16	Fri	IoT workshop	30	16	Sun		
17	Sat	IoT workshop		17	Mon		52
18	Sun			18	Tue	Python workshop/ Upskilling Review Meeting-4	53
19	Mon	Innovation Day-II,III Yr	31	19	Wed	Third Review-III yr/Lab Meeting-3	54
20	Tue	CBS Meeting-2/Industrial Visit-II Year-BSNL	32	20	Thu	Third Review-II yr/ Dept R & D Meeting	55
21	Wed	Guest Lecture-Cloud Computing	33	21	Fri	Third Review-IV yr /Guest Lecture	56
22	Thu	SSD Meeting/ Mid- Sem feed back week/Lab Meeting-2	34	22	Sat	CBS Meeting-3/Dept R & D Meeting	
23	Fri	Dept R & D Meeting	35	23	Sun		
24	Sat	Industrial Visit-III yr- Doordharshan	36	24	Mon	Holiday - Deepavali	
25	Sun			25	Tue	Holiday - Deepavali	
26	Mon	Class Committee Week/ Second Review-IV yr	37	26	Wed	Coaching 1 /SSD Meeting	57
27	Tue	Second Review-III yr/ Up Skilling Review Meeting-3	38	27	Thu		58
28	Wed	Second Review-II yr	39	28	Fri		59
29	Thu	Industrial Visit-IV yr- Kalpakkam Atomic Research Centre /Internship Review Meeting-2	40	29	Sat		60
30	Fri	Coding Contest	41	30	Sun		
				31	Mon		61

NOVEMBER				DECEMBER			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Tue		62	1	Thu		
2	Wed		63	2	Fri		
3	Thu		64	3	Sat		
4	Fri		65	4	Sun		
5	Sat		66	5	Mon	Class Committee Week/Alumni Connect -2	
6	Sun			6	Tue		
7	Mon		67	7	Wed	Coaching 1	
8	Tue		68	8	Thu	Coaching 1 + Model Exam	
9	Wed		69	9	Fri	Coaching 2/NPTEL Course Review-III	
10	Thu		70	10	Sat		
11	Fri		71	11	Sun	Coaching 2/VAC Meeting- 3	
12	Sat		72	12	Mon	Coaching 2 + Model Exam	
13	Sun			13	Tue	Coaching 3	
14	Mon		73	14	Wed	Coaching 3 + Model Exam	
15	Tue	VAC Report submission/Upskilling Report Submission	74	15	Thu	Coaching 4	
16	Wed	SSD Report Submission	75	16	Fri	Coaching 4	
17	Thu	FSD Report Submission	76	17	Sat		
18	Fri		77	18	Sun	Coaching 4 + Model Exam	
19	Sat			19	Mon	Coaching 5	
20	Sun			20	Tue	Coaching 5	
21	Mon		78	21	Wed	Coaching 5 + Model Exam	
22	Tue		79	22	Thu	Coaching 6	
23	Wed		80	23	Fri	Coaching 6 + Model Exam	
24	Thu			24	Sat	Third Review report	
25	Fri			25	Sun		
26	Sat			26	Mon		
27	Sun						
28	Mon	Commencement of CAT 2 Exam					
29	Tue						
30	Wed						

Si.No	Abbreviations*	Expansions	Name of Head Coordinator/s
1	IQAC	Internal Quality Assurance Cell	Mr.B.Magesh/Dr.Charulatha
2	CHS	Centre for Higher studies	Ms.K.Lakshmi Priya
3	R&D	Research & Development Cell	Dr.Chidambaram/ Dr.Ramkumar
4	EDC	Entrepreneurship development cell	Mr.Tamilamuthan
5	KMC	Knowledge Management Centre	Mr.Dharma Prakash
6	IIC	Industry Interaction cell	Mr.Prabakar
7	CAT	Continous Assesment Test	
8	VECBS	Value added, Elective,Content beyond	
9	SWA	Student welfare Association	
10	SSD	Students Skill Deveopment	
11	FSD	Faculty Skill Development Meeting	

Head of the Department

IQAC Coordinator
Co-ordinator
Internal Quality Assurance Cell
PERI Institute of Technology
Mannivakkam Chennai-600 048.

Principal
Dr. R. PALSON KENNEDY, M.E., Ph.D.
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAT I: SEPTEMBER- 2022

Circular

Dear All ,

07.09.2022

Greetings from CSE department. CAT I starts from 12th September, 2022 (Monday) onwards. Kindly send the Question paper to this mail id: catexamcse@gmail.com

Timing: 8.45AM TO 11.45AM

QP Pattern for II, III and IV year

Portion: 1st and 2nd Units

Max. Marks: 100

Duration: 3 hrs


Part A: 10 Questions (2 marks)

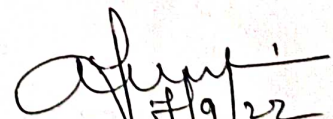
Part B: 5 Questions (13 marks) with choice

Part C: 1 Question (15 mark) with choice

Encl: 1.Question paper Template
2. Time table

Regards
CAT Cell/ CSE


Cat Exam / 7/9.
Co-ordinator


HOD/CSE

**HOD of Computer Science and Engineering i/c
PERI Institute of Technology
Mannivakkam, Chennai-600 048.**

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
12.09.2022 (Monday)	MA3354 – Discrete Mathematics	CS3301 – Data Structures	OCE552– Geographic Information System	CS8592 – Object Oriented Analysis and Design	CS8079 – Human computer Interaction	OBM752 – Hospital Management
13.09.2022 (Tuesday)	CS3301 – Data Structures	CS3391 – Object Oriented Programming	CS8592 – Object Oriented Analysis and Design	EC8691 – Microprocessors and Microcontrollers	OBM752 – Hospital Management	CS8792 – Cryptography and Network Security
14.09.2022 (Wednesday)	CS3352 – Foundations of Data Science	MA3354 – Discrete Mathematics	EC8691 – Microprocessors and Microcontrollers	CS8501 – Theory of Computation	CS8792 – Cryptography and Network Security	MG8591 -- Principles of Management
15.09.2022 (Thursday)	CS3351– Digital Principles and Computer Organization	CS3352 – Foundations of Data Science	CS8501 – Theory of Computation'	CS8591 – Computer Networks	MG8591- Principles of Management	CS8791-- Cloud Computing
16.09.2022 (Friday)	CS3391 – Object Oriented Programming	CS3351– Digital Principles and Computer Organization	MA8551 – Algebra and Number Theory	OCE552– Geographic Information System	CS8791-- Cloud Computing	CS8079 – Human computer Interaction
17.09.2022 (Saturday)	--	--	CS8591 – Computer Networks	MA8551 – Algebra and Number Theory	--	--

[Signature]
HOD

[Signature]
Vice Principal

[Signature]
Principal

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CAT I ATTENDANCE SHEET
ODD SEMESTER 2022-2023
CLASS: II CSE A

S.NO	REG. NO.	NAME	13.09.22	14.09.22	15.09.22	16.09.22	17.09.22
1	411521104001	Abdul Majith A	Abdul	Abdul	Abdul	Abdul	Abdul
2	411521104002	Abishekraj K B	Abi	Abi	Abi	Abi	Abi
3	411521104003	Abinash S	Abinash	Abinash	Abinash	Abinash	Abinash
4	411521104004	Adnan Mohammed S	Adnan	Adnan	Adnan	Adnan	Adnan
5	411521104005	Akash Jebaraj I	Akash	Akash	Akash	Akash	Akash
6	411521104006	Annamalai M	Annamalai	Annamalai	Annamalai	Annamalai	Annamalai
7	411521104007	Archana B	Archana	Archana	Archana	Archana	Archana
8	411521104008	Arokia Anushya A	Arokia	Arokia	Arokia	Arokia	Arokia
9	411521104009	Arul Pandian P	Arul	Arul	Arul	Arul	Arul
10	411521104010	Ashwin V	Ashwin	Ashwin	Ashwin	Ashwin	Ashwin
11	411521104011	Bargavi A V	Bargavi	Bargavi	Bargavi	Bargavi	Bargavi
12	411521104012	Bhuvanesh G	Bhuvanesh	Bhuvanesh	Bhuvanesh	Bhuvanesh	Bhuvanesh
13	411521104013	Chandrakala V	Chandrakala	Chandrakala	Chandrakala	Chandrakala	Chandrakala
14	411521104014	Chandru B S	Chandru	Chandru	Chandru	Chandru	Chandru
15	411521104015	Damodaren V	AB	Damodaren	Damodaren	Damodaren	Damodaren
16	411521104016	Dayana M	Dayana	Dayana	Dayana	Dayana	Dayana
17	411521104017	Deepak J	Deepak	Deepak	Deepak	Deepak	Deepak
18	411521104018	Deepak Kumar K	Deepak	Deepak	Deepak	Deepak	Deepak
19	411521104019	Deepan M	Deepan	Deepan	Deepan	Deepan	Deepan
20	411521104020	Deepan Chakkaravarthi K	Deepan	Deepan	Deepan	Deepan	Deepan
21	411521104021	Devakumari S	Devakumari	Devakumari	Devakumari	Devakumari	Devakumari
22	411521104022	Devatharshini B	Devatharshini	Devatharshini	Devatharshini	Devatharshini	Devatharshini
23	411521104023	Dhanush V	Dhanush	Dhanush	Dhanush	Dhanush	Dhanush
24	411521104024	M					
25	411521104025	Dharani T	Dharani	Dharani	Dharani	Dharani	AB
26	411521104026	Dinesh V	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
27	411521104027	Dinesh Chaudhary D	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
28	411521104028	Dinesh Kumar L	AB	Dinesh Kumar	Dinesh Kumar	Dinesh Kumar	Dinesh Kumar
29	411521104029	Dinesh Kumar M	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
30	411521104030	Dinesh Kumar S	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
31	411521104031	Divya S	Divya	Divya	Divya	Divya	Divya
32	411521104032	Elakiya K	Elakiya	Elakiya	Elakiya	Elakiya	Elakiya
33	411521104033	Elakya R	Elakya	Elakya	Elakya	Elakya	Elakya
34	411521104034	Franklin Joshwa S	Franklin	Franklin	Franklin	Franklin	Franklin
35	411521104035	Gayathri B	Gayathri	Gayathri	Gayathri	Gayathri	Gayathri
36	411521104036	Gokul D	Gokul	Gokul	Gokul	Gokul	Gokul
37	411521104037	Gokul R	Gokul	Gokul	Gokul	Gokul	Gokul

39	411521104101	Shruthi R	Shruthi	Shruthi	Shruthi	Shruthi	Shruthi
40	411521104102	Sibe M.	Sibe M.	Sibe M.	Sibe M.	Sibe M.	Sibe M.
41	411521104104	Siva M	Siva M	Siva M	Siva M	Siva M	Siva M
42	411521104105	Siva S	Siva S	Siva S	Siva S	Siva S	Siva S
43	411521104106	Sivakumar E.S	Sivakumar E.S	Sivakumar E.S	Sivakumar E.S	Sivakumar E.S	Sivakumar E.S
44	411521104107	Siva Vishnu R	Siva Vishnu R	Siva Vishnu R	Siva Vishnu R	Siva Vishnu R	Siva Vishnu R
45	411521104108	Sneha P S	Sneha P S	Sneha P S	Sneha P S	Sneha P S	Sneha P S
46	411521104109	Stalin M	Stalin M	Stalin M	Stalin M	Stalin M	Stalin M
47	411521104110	Stephen I	Stephen I	Stephen I	Stephen I	Stephen I	Stephen I
48	411521104111	Suchit R.	Suchit R.	Suchit R.	Suchit R.	Suchit R.	Suchit R.
49	411521104112	Sudharsan B	Sudharsan B	Sudharsan B	Sudharsan B	Sudharsan B	Sudharsan B
50	411521104113	Sunilkumar K A	Sunilkumar K A	Sunilkumar K A	Sunilkumar K A	Sunilkumar K A	Sunilkumar K A
51	411521104114	Suriya M	Suriya M	Suriya M	Suriya M	Suriya M	Suriya M
52	411521104115	Sushthi R	Sushthi R	Sushthi R	Sushthi R	Sushthi R	Sushthi R
53	411521104116	Tharun M	Tharun M	Tharun M	Tharun M	Tharun M	Tharun M
54	411521104117	Theja Sri H.	Theja Sri H.	Theja Sri H.	Theja Sri H.	Theja Sri H.	Theja Sri H.
55	411521104118	Veena P.G	Veena P.G	Veena P.G	Veena P.G	Veena P.G	Veena P.G
56	411521104119	R.	R.	R.	R.	R.	R.
57	411521104120	Vinodha V	Vinodha V	Vinodha V	Vinodha V	Vinodha V	Vinodha V
58	411521104121	Vinothini V.	Vinothini V.	Vinothini V.	Vinothini V.	Vinothini V.	Vinothini V.
59	411521104122	Yogavarshini R	Yogavarshini R	Yogavarshini R	Yogavarshini R	Yogavarshini R	Yogavarshini R
60	411521104123	Yuhan S	Yuhan S	Yuhan S	Yuhan S	Yuhan S	Yuhan S
61	LE 1	Sakthivel	Sakthivel	Sakthivel	Sakthivel	Sakthivel	Sakthivel


CAT COORINATOR


HOD of Computer Science and Engineering i/c
PERI Institute of Technology
Mannivakkam, Chennai-600 048.

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**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

CAT EXAM I-SEPTEMBER 2022

SET A

CS3352-FOUNDATIONS OF DATA SCIENCE

Year/Sem/Sec	: II/IV/A	Date	: 14/09/2022
Department	: CSE	Duration	: 3 hours
Faculty	: R.S.ABBIRAMI	Max. Marks	: 100

PART A (10 x 2= 20)

1.	Define Data Science and need for data science.	U	CO 1
2.	Evaluate the various characteristics of Big data and explain its benefits.	R	CO 1
3.	Explain the discrete and continuous variables.	R	CO 1
4.	List the applications of data science and big data.	An	CO 1
5.	Define Data warehouse and give the key characteristics of data warehouse.	U,R	CO 1
6.	Define outliers and give some example.	U,An	CO2
7.	How to measure the percentile ranks of a score?	U	CO2
8.	Give some diagrammatic representation of misleading graphs.	C	CO2
9.	If distribution is skewed which distribution can be used?	An,E	CO2
10.	Find the mean for the following retirement ages: 60, 63, 45, 63, 65,70, 55, 63, 60, 65, 63.	An	CO2

PART B (5x13=65)

11	A) Explain the various forms in which the data could be represented.	U	CO 1
	B) Explain Data warehouse architecture and describe types and components of the various data warehouse.	U,R	CO 1
12	A) Explain the various graphical representations, data modeling, presentation and automation data science process in detail with diagrammatic representation.	An	CO 1
	B) Explain the data mining process and explain in detail about the techniques and applications used in data mining.	R	CO 1
13	A) Explain the setting the research goal, retrieving data, and data preparations data science process in detail with diagrammatic representation.	An	CO 1
	B) Explain in detail about the various types of data with the level of measurements. Define the types of data for the following. (a) height (b) religious affiliation (c) score for psychopathic tendency (d) years of education (e) military rank (f) vocational goal (g) GPA (h) marital status	E	CO2
14	A) Movie ratings reflect ordinal measurement because they can be ordered from most to least restrictive: NC-17, R, PG-13, PG, and G. The ratings of some films shown recently in San Francisco are as follows:	E,An	CO2

PG	PG	PG	PG-13	G
G	PG-13	R	PG	PG
R	PG	R	PG	R
NC-17	NC-17	PG	G	PG-13

(a) Construct a frequency distribution. (b) Convert to relative frequencies, expressed as percentages. (c) Construct a cumulative frequency distribution. (d) Find the approximate percentile rank for those films with a PG rating.

B) Explain the frequency distribution for qualitative and quantitative in detail and explain in detail about the steps in frequency distributions.

R

CO2

15

A) During their first swim through a water maze, 15 laboratory rats made the following number of errors (blind alleyway entrances): 2, 17, 5, 3, 28, 7, 5, 8, 5, 6, 2, 12, 10, 4, 3.

(a) Find the mode, median, and mean for these data.

(b) Without constructing a frequency distribution or graph, would you characterize the shape of this distribution as balanced, positively skewed, or negatively skewed?

C

CO2

B) Explain in detail about the steps of measures of variability with examples.

U

CO2

PART C (1 x15=15)

16

A) The following frequency distribution shows the annual incomes in dollars for a group of college graduates.

INCOME		f
130,000-139,999		1
120,000-129,999		0
110,000-119,999		1
100,000-109,999		3
90,000-99,999		1
80,000-89,999		5
70,000-79,999		7
60,000-69,999		10
50,000-59,999		14
40,000-49,999		23
30,000-39,999		17
20,000-29,999		10
10,000-19,999		8
0-9,999		3
Total		103

(a) Construct a histogram. (b) Construct a frequency polygon. (c) Is this distribution balanced or lopsided?

An

CO1

B) A weather reporter is analyzing the high temperature forecasted for two different cities. A low standard deviation would show a reliable weather forecast. The reporter compares a week of high temperatures (in Fahrenheit) in two different seasons. The data looks like this:

	City A Forecast	City B Forecast
Monday	95	90
Tuesday	93	81
Wednesday	95	95
Thursday	94	91
Friday	96	86
Saturday	94	82
Sunday	95	78

Use standard deviation to compare two sets.

An

CO2

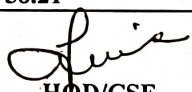
PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE
CAT I RESULT ANALYSIS (2022-2023 ODD SEMESTER)

Class: II-A

S.NO	REG. NO.	NAME	DM	DPCO	FDS	OOPS	DS	No. of Sub	No. of Sub
1	411521104001	Abdul Majith A	67	52	66	88	55	0	0
2	411521104002	Abishekraj K B	50	33	71	61	56	0	1
3	411521104003	Abinash S	53	58	57	55	68	0	0
4	411521104004	Adnan Mohammed S	58	50	58	47	69	0	1
5	411521104005	Akash Jebaraj I	56	65	50	71	59	0	0
6	411521104006	Annamalai M	62	51	49	77	50	0	1
7	411521104007	Archana B	82	65	69	72	81	0	0
8	411521104008	Arokia Anushya A	50	41	51	49	60	0	2
9	411521104009	Arul Pandian P	58	71	62	49	50	0	1
10	411521104010	Ashwin V	53	58	57	55	68	0	0
11	411521104011	Bargavi A V	63	70	61	54	77	0	0
12	411521104012	Bhuvanesh G	58	57	50	50	57	0	0
13	411521104013	Chandrakala V	50	51	50	62	66	0	0
14	411521104015	Damodaren V	AB	57	40	55	62	1	2
15	411521104016	Dayana M	56	52	66	58	72	0	0
16	411521104017	Deepak J	59	37	64	50	52	0	1
17	411521104018	Deepak Kumar K	74	56	65	57	69	0	0
18	411521104020	Deepan Chakkaravarthi	80	82	61	72	75	0	0
19	411521104021	Devakumari S	58	69	51	53	69	0	0
20	411521104022	Devatharshini B	50	45	73	74	50	0	1
21	411521104023	Dhanush V	81	69	60	73	41	0	1
22	411521104025	Dharani T	81	71	50	57	AB	1	1
23	411521104026	Dinesh V	82	84	70	78	57	0	0
24	411521104027	Dinesh Chaudhary D	66	80	56	58	51	0	0
25	411521104028	Dinesh Kumar L	AB	55	62	61	54	1	1
26	411521104029	Dinesh Kumar M	81	69	60	73	63	0	0
27	411521104030	Dinesh Kumar S	81	71	50	57	65	0	0
28	411521104031	Divya S	49	84	66	78	72	0	1
29	411521104032	Elakiya K	61	51	57	67	69	0	0
30	411521104033	Elakya R	49	61	65	57	69	0	1
31	411521104035	Gayathri B	80	82	61	72	75	0	0
32	411521104036	Gokul D	71	69	51	53	69	0	0
33	411521104037	Gokul R	73	66	50	57	71	0	0
34	411521104038	Gowsalya D	54	44	62	47	50	0	2
35	411521104039	Guberan T	68	80	66	62	74	0	0
36	411521104040	Hari Krishnan U	AB	51	50	65	50	1	1
37	411521104041	Harini M	66	58	52	88	71	0	0
38	411521104042	Harish S	52	69	50	57	59	0	0
39	411521104044	Ishasri P	50	41	51	33	61	0	2
40	411521104045	Jagan M	58	71	62	49	51	0	1
41	411521104046	Jana R	53	58	57	55	73	0	0
42	411521104047	Jeffrin Nelson J	50	41	61	63	60	0	1
43	411521104048	Jitto M	58	57	50	50	50	0	0
44	411521104050	Jogan Roy K	50	51	50	62	70	0	0
45	411521104051	Karthi S	67	57	50	55	AB	1	1
46	411521104052	Karthika E	81	71	55	65	66	0	0
47	411521104053	Karthikeyan N	AB	AB	AB	73	AB	4	4
48	411521104054	Kavitha S	93	78	68	68	72	0	0

49	411521104055	Kavitha V	67	70	56	39	72	0	1
50	411521104056	Keerthika M	50	41	51	78	60	0	1
51	411521104057	Keerthivasan S	58	71	62	49	50	0	1
52	411521104058	Kowsalya B	53	58	57	55	68	0	0
53	411521104059	Lakshmi Priya M	63	70	61	50	77	0	0
54	411521104060	Lavanya B	58	57	50	50	57	0	0
55	LATERAL	Arun	50	51	50	62	66	0	0
56	LATERAL	Christoper Danier	67	57	40	55	62	0	1
57	LATERAL	Harish p	56	52	66	58	72	0	0
58	LATERAL	Pradeep Raj	74	70	65	57	69	0	0
59	LATERAL	Dhivakar M	80	82	61	72	75	0	0
60	LATERAL	Mohamed sirajuddin	71	69	51	53	69	0	0
61	LATERAL	Gokulakrishnan	88	80	73	83	50	0	0
62	LATERAL	Anitha M	61	51	57	73	41	0	1
63	LATERAL	Baskar C	49	61	65	57	AB	1	2
64	LATERAL	Kumaresan R	80	82	61	78	57	0	0
65	LATERAL	Muthukumaraswamy S	71	69	51	60	50	0	0
66	LATERAL	Naveen Kumar Y C	73	66	50	61	AB	1	1
67	LATERAL	Praveen V	AB	50	AB	60	77	2	2

Present	62	66	65	67	62
Absent	5	1	2	0	5
Passed	59	58	62	59	60
Failed	3	8	3	8	2
Pass Percentage(with Total Strength)	88.1	86.6	92.5	88.1	89.6
Pass Percentage (with Absentees Count)	95.2	87.9	95.4	88.1	96.8
No. Of Students Passed in all the Subjects	39				
Overall Pass %	58.21				


HOD/CSE
 HOD of Computer Science and Engineering II
 PERI Institute of Technology
 Mannivakkam, Chennai-600 048.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAT I Retest: SEPTEMBER- 2022

Circular

Dear All ,

17.09.2022

Greetings from CSE department. CAT I Retest starts from 19TH September, 2022 (Monday) onwards. Kindly send the Question paper to this mail id: catexamcse@gmail.com

Timing: 3:45 PM TO 5:15 PM

QP Pattern for II, III and IV year

Portion: 1st and 2nd Units

Max. Marks: 50


Duration: 1hr 30 mins

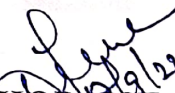
Part A: 5 Questions (2 marks)

Part B: 4 Questions (10 marks) with choice

Encl: 1.Question paper Template
2. Time table

Regards
CAT Cell/ CSE


CAT EXAM
CO-ORDINATOR


HOD CSE

PERI Institute of Technology
Department of Computer Science and Engineering II
Mannivakkam, Chennai-600 048.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAT II: NOVEMBER – 2022

Circular

Dear All,

25.11.2022

Greetings from CSE department. CAT-II for II year students starts from 28th November, 2022 (Monday) onwards. Kindly send the Question paper to this mail id: catexamcse@gmail.com

QP Pattern for II year

Portion: 3rd and 4th Units

Max. Marks: 100

Duration: 3 hrs

Part A: 10 Questions (2 marks)

Part B: 5 Questions (13 marks) with choice

Part C: 1 Question (15 mark) with choice

Encl: 1. Question paper Template
2. Time table

Regards
CAT Cell/ CSE



CAT CO-ORDINATOR



HOD/CSE

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Time Table – NOVEMBER 2022

Date	CAT-II EXAM	
	II YEAR CSE A	II YEAR CSE B
28.11.22 (Monday)	MA3354 – Discrete Mathematics	CS3391 – Object Oriented Programming
29.11.22 (Tuesday)	CS3301 – Data Structures	MA3354 – Discrete Mathematics
30.11.22 (Wednesday)	CS3352 – Foundations of Data Science	CS3351 – Digital Principles and Computer Organization
1.12.22 (Thursday)	CS3351 – Digital Principles and Computer Organization	CS3352 – Foundations of Data Science
2.12.22 (Friday)	CS3391 – Object Oriented Programming	CS3301 – Data Structures

CAT EXAM CO-ORDINATOR

HOD

VICE-PRINCIPAL

PRINCIPAL

Reg. no.:

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PERI
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING
CAT 2 EXAM : NOV 2022
MA3354 DISCRETE MATHEMATICS

SET II

Year/Sem	II / III	Date	28.11.2022
Department	CSE B	Duration	180 minutes
Faculty	Ms. MAYURI S	Max. Marks	100

PART A

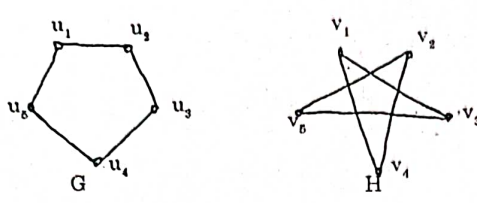
(10X2=20)

1.	Write the following statement in symbolic form : If Avinash is not in a good mood or he is not busy, then he will go to New Delhi..	U	CO1
2.	Write the truth table for $(p \wedge q) \rightarrow (p \vee q)$.	R	CO1
3.	Find the number of bit strings of length 10 that either begin with 1 or end with 0.	R	CO2
4.	In how many different ways can five men and five women sit around a table?	U	CO2
5.	Give an example of a graph which is Eulerian but not Hamiltonian.	U	CO3
6.	Write the adjacency matrix and incidence matrix of $K_{2,2}$.	R	CO3
7.	Show that the identity element of a group is unique.	U	CO4
8.	Give an example of an integral domain which is not a field.	R	CO4
9.	Draw the Hasse diagram of $(D_{20}, /)$, where D_{20} denotes the set of positive divisors of 20 and $/$ is the relation "division".	U	CO5
10.	In any lattice $(L, \leq), \forall a, b \in L$, show that $a * (a \oplus b) = a$, where $a * b = glb(a, b)$ and $a \oplus b = lub(a, b)$.	U	CO5

PART B

(5X16=80)

11.a)	(i) Obtain the principle disjunctive and conjunctive normal forms of the formula $(\sim p \rightarrow r) \wedge (q \leftrightarrow p)$. [8]	U	CO1
	(ii) Show that $J \wedge S$ logically follows from $P \rightarrow Q, Q \rightarrow \sim R, R, P \vee (J \wedge S)$. [8][OR]	U	
11.b)	(i) Let $K(x)$: x is a two-wheeler, $L(x)$: x is a scooter, $M(x)$: x is a manufactured by Bajaj. Express the following using quantifiers. [8] I. Every two wheeler is a scooter. II. There is a two-wheeler that is not manufactured by Bajaj. III. There is a two-wheeler manufactured by Bajaj that is not a scooter. IV. Every two-wheeler that is a scooter is manufactured by Bajaj.	U	CO1
	(ii) Use the rules of inference to show that the hypothesis "If it does not rain or if it is not foggy, then the sailing race will be held and the lifesaving demonstration will go on", "If the sailing race is held, then the trophy will be awarded", and "The trophy was not awarded" imply the conclusion "it rained". [8]	U	
12.a)	(i) Solve $a_n = 8a_{n-1} + 10$ with $a_0 = 1$ and $a_1 = 9$ using generating function. [8]	Ap	CO2
	(ii) How many positive integers not exceeding 1000 are divisible by none of 3, 7 and 11? [8] [OR]	Ap	
12.b)	(i) Using mathematical induction prove that if n is a positive integer, then 133 divides $11^{n+1} + 12^{2n-1}$. [8]	Ap	CO2

	(ii) How many ways are there to assign five different jobs to four different employees if every employee is assigned atleast one job? [8]	Ap	
13.a)	(i) Check whether the following graphs are isomorphic or not. [8] 	U	CO3
	(ii) If A is the adjacency matrix of a graph G with $V(G) = \{v_1, v_2, \dots, v_p\}$, prove that for any $n \geq 1$, the $(i, j)^{th}$ entry of A^n is the number of $v_i - v_j$ walks of length n in G . [8][OR]	U	
13.b)	(i) Define self complementary graph. Show that if G is a self complementary simple graph with n vertices then $n \equiv 0$ or $1 \pmod{4}$. [8] (ii) Show that a simple graph G is Eulerian if and only if all its vertices have even degree. [8]	U	CO3
14.a)	State and prove Lagrange's Theorem on groups. [16] [OR]	U	CO4
14.b)	(i) Show that a non empty subset H of a group $(G, *)$ is a subgroup of G iff $a * b^{-1} \in H \forall a, b \in H$. [8] (ii) Show that the Kernel of a group homomorphism is a normal subgroup of the group. [8]	U	CO4
15.a)	(i) Show that every chain is a distributive lattice. [8] (ii) Let $D_{100} = \{1, 2, 4, 5, 10, 20, 25, 50, 100\}$ be the divisors of 100. Draw the Hasse diagram of $(D_{100}, /)$ where $/$ is the relation "division". Find [8] [OR] I. $glb \{10, 20\}$ II. $lub \{10, 20\}$ III. $glb \{5, 10, 20, 25\}$ IV. $lub \{5, 10, 20, 25\}$	U	CO5
15.b)	(i) In a boolean Algebra, show that $(a * b)' = a' \oplus b'$ and $(a \oplus b)' = a' * b'$. [8] (ii) Define a Modular lattice and prove that every distributive lattice is modular but not conversely. [8]	U	CO5

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CAT COORDINATOR

[Handwritten Signature]
HOD

29/1/22

39	411521104044	Ishasri P	P. Ishasri	P. Ishasri	AB	AB	P. Ishasri
40	411521104045	Jagan M	Jagan M	M. Jagan	AB	AB	M. Jagan
41	411521104046	Jana R	R. Jana	R. Jana	OD	OD	OD
42	411521104047	Jeffrin Nelson J	J. Jeffrin	J. Nelson	AB	AB	J. Nelson
43	411521104048	Jitto M	M. Jitto	M. Jitto	AB	AB	M. Jitto
44	411521104050	Jogan Roy K	K. Jogan	K. Roy	AB	AB	K. Roy
45	411521104051	Karthi S	S. Karthi	S. Karthi	AB	AB	S. Karthi
46	411521104052	Karthika E	E. Karthika	E. Karthika	AB	AB	E. Karthika
47	411521104053	Karthikeyan N	N. Karthikeyan	N. Karthikeyan	AB	AB	N. Karthikeyan
48	411521104054	Kavitha S	S. Kavitha	S. Kavitha	AB	AB	S. Kavitha
49	411521104055	Kavitha V	V. Kavitha	V. Kavitha	AB	AB	V. Kavitha
50	411521104056	Keerthika M	M. Keerthika	M. Keerthika	OD	OD	OD
51	411521104057	Keerthivasan S	S. Keerthivasan	S. Keerthivasan	OD	OD	OD
52	411521104058	Kowsalya B	B. Kowsalya	B. Kowsalya	AB	AB	B. Kowsalya
53	411521104059	Lakshmi Priya M	M. Lakshmi Priya	M. Lakshmi Priya	AB	AB	M. Lakshmi Priya
54	411521104060	Lavanya B	B. Lavanya	B. Lavanya	AB	AB	B. Lavanya
55	LATERAL	Arun	Arun	Arun	AB	AB	Arun
56	LATERAL	Christoper Daniel	D. Christoper	D. Daniel	AB	AB	AB
57	LATERAL	Harish p.	P. Harish	P. Harish	AB	AB	AB
58	LATERAL	Pradeep Raj	Raj. Pradeep	Raj. Pradeep	OD	OD	OD
59	LATERAL	Dhivakar M	M. Dhivakar	M. Dhivakar	AB	AB	M. Dhivakar
60	LATERAL	Mohamed sirajuddin	U. Mohamed	U. Sirajuddin	AB	AB	U. Sirajuddin
61	LATERAL	Gokulakrishnan	N. Gokulakrishnan	N. Gokulakrishnan	OD	OD	OD
62	LATERAL	Anitha M	M. Anitha	M. Anitha	OD	OD	OD
63	LATERAL	Baskar C	C. Baskar	C. Baskar	OD	OD	OD
64	LATERAL	Kumaresan R					
65	LATERAL	Muthukumaraswamy S					
66	LATERAL	Naveen Kumar Y C					
67	LATERAL	Praveen V	V. Praveen	V. Praveen	OD	OD	OD
Present			53	52	52	52	50
Absent			07	08	08	08	07
OD			06	06	06	06	09

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PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAT-II EXAMINATION -RESULT ANALYSIS

CLASS / SEM: II CSE A / III SEM

BATCH: 2021 - 2025

S.NO	REG. NO.	NAME	BATCH: 2021 - 2025						
			DM	DPCO	FDS	OOPS	DS	No. of Sub Absent	No. of Sub failed
1	411521104001	Abdul Majith A	54	50	59	50	56	0	0
2	411521104002	Abishekraj K B	28	22	40	53	53	0	3
3	411521104003	Abinash S	15	55	60	50	33	0	2
4	411521104004	Adnan Mohammed S	35	ab	40	62	19	1	4
5	411521104005	Akash Jebaraj I	30	9	21	50	14	0	4
6	411521104006	Annamalai M	48	ab	40	50	53	1	3
7	411521104007	Archana B	57	20	60	16	71	0	2
8	411521104008	Arokia Anushya A	57	ab	56	52	71	1	1
9	411521104009	Arul Pandian P	7	24	19	11	24	0	5
10	411521104010	Ashwin V	27	16	37	55	42	0	4
11	411521104011	Bargavi A V	61	52	36	ab	66	1	2
12	411521104012	Bhuvanesh G	18	11	12	56	33	0	4
13	411521104013	Chandrakala V	66	55	66	55	79	0	0
14	411521104015	Damodaren V	ab	45	AB	7	AB	3	5
15	411521104016	Dayana M	82	56	45	0	75	0	2
16	411521104017	Deepak J	12	ab	15	54	58	1	3
17	411521104018	Deepak Kumar K	33	7	19	ab	32	1	5
18	411521104020	Deepan Chakkaravarthi	6	0	2	0	9	0	5
19	411521104021	Devakumari S	40	51	66	22	55	0	2
20	411521104022	Devatharshini B	56	ab	40	55	53	1	2
21	411521104023	Dhanush V	37	0	36	27	60	0	4
22	411521104025	Dharani T	54	22	57	60	50	0	1
24	411521104027	Dinesh Chaudhary D	56	27	50	50	58	0	1
25	411521104028	Dinesh Kumar L	27	11	30	58	43	0	4
26	411521104029	Dinesh Kumar M	15	11	20	43	46	0	5
27	411521104030	Dinesh Kumar S	16	7	12	46	35	0	5
28	411521104031	Divya S	39	ab	22	35	53	1	4
29	411521104032	Elakiya K	25	52	35	53	50	0	2
30	411521104033	Elakya R	52	55	72	50	62	0	0
31	411521104035	Gayathri B	51	60	52	62	50	0	0
32	411521104036	Gokul D	58	60	50	50	50	0	0
33	411521104037	Gokul R	31	59	67	50	AB	1	2
34	411521104038	Gowsalya D	55	53	58	62	68	0	0
35	411521104039	Guberan T	41	33	17	50	33	0	4
36	411521104040	Hari Krishnan U	30	34	35	50	28	0	4
37	411521104041	Harini M	56	59	57	AB	62	1	1
38	411521104042	Harish S	18	50	18	68	AB	1	3
39	411521104044	Ishasri P	55	67	50	55	60	0	0
40	411521104045	Jagan M	46	18	49	28	38	0	5
41	411521104046	Jana R	27	0	33	62	29	0	4
42	411521104047	Jeffrin Nelson J	50	6	18	AB	35	1	4
43	411521104048	Jitto M	ab	56	56	60	25	1	2
45	411521104051	Karthi S	27	19	23	29	51	0	4
46	411521104052	Karthika E	52	52	50	60	67	0	0
47	411521104053	Karthikeyan N	5	19	53	62	23	0	3

48	411521104054	Kavitha S	79	51	50	50	AB	1	1
49	411521104055	Kavitha V	50	58	57	50	62	0	0
50	411521104056	Keerthika M	50	45	60	AB	55	1	2
51	411521104057	Keerthivasan S	15	45	31	68	37	0	4
52	411521104058	Kowsalya B	56	56	50	53	58	0	0
53	411521104059	Lakshmi Priya M	58	50	56	66	70	0	0
54	411521104060	Lavanya B	72	60	65	62	67	0	0
55	LATERAL	Arun	6	0	56	AB	13	1	4
56	LATERAL	Christoper Danier	59	50	53	60	AB	1	1
57	LATERAL	Harish p	6	44	45	25	23	0	5
58	LATERAL	Pradeep Raj	5	51	10	29	AB	1	4
59	LATERAL	Dhivakar M	9	20	AB	35	55	1	4
60	LATERAL	Mohamed sirajuddin	54	20	50	67	31	0	2
61	LATERAL	Gokulakrishnan	51	54	78	54	55	0	0
62	LATERAL	Anitha M	42	48	55	56	42	0	3
63	LATERAL	Baskar C	50	47	46	47	49	0	4
64	LATERAL	Kumaresan R	47	60	42	41	49	0	4
65	LATERAL	Muthukumaraswamy S	47	52	57	58	43	0	2
66	LATERAL	Naveen Kumar Y C	41	41	57	53	59	0	2
67	LATERAL	Praveen V	43	54	52	42	43	0	3

Present	65	61	65	61	61
Absent	2	6	2	6	6
Passed	27	28	32	42	32
Failed	36	31	31	19	27
Pass Percentage(with Total Strength)	40.3	41.8	47.8	62.7	47.8
Pass Percentage (with Absentees Count)	41.5	45.9	49.2	68.9	52.5
No. Of Students Passed in all the Subjects	14				
Overall Pass %	20.9				

Dee
HOD/OSM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAT II RETEST: DECEMBER- 2022

Retest Circular

Dear All ,

09.12.2022

Greetings from CSE department. CAT II retest for II year students starts from 05th December , 2022 (Monday) onwards. Kindly send the Question paper to this mail id: catexamcse@gmail.com

QP Pattern for II, III and IV year

Portion: 3rd and 4th Units

Max. Marks: 100

Duration: 3 hrs

Part A: 10 Questions (2 marks)

Part B: 5 Questions (13 marks) with choice

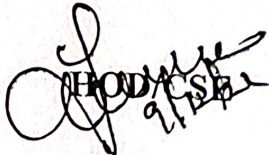
Part C: 1 Question (15 mark) with choice

Encl: 1.Question paper Template
2. Time table

Regards

CAT Cell/ CSE


CAT COORDINATOR


HOD CSE

PERI Institute of Technology
Academic Year 2022 – 2023 (ODD Semester)
Department of Computer Science Engineering

PERI / 2022 –23 / ODD / CSE / 05

Date:06.12.2022

CIRCULAR

The second year students are informed that the **Model examination** will be conducted from 8th Dec 2022 to 24th Dec 2022.

Important Note to students:

- ❖ For each subject 2 ½ days coaching will be conducted as per the schedule and at the **third day afternoon session Model exam** will be conducted.
- ❖ Coaching will be conducted in the morning Session at **8.30-10.30am** followed by **revision test at 10:45-11:45 am** and Coaching will be conducted in the **Afternoon session from 12:30-2:30PM** followed by **revision test at 2:45-3:45 .**
- ❖ The students must be present in the class before 8.30AM
- ❖ Late comers will not be strictly allowed to write the test.
- ❖ The students must bring their required stationeries
- ❖ The students are instructed to write their name and register number correctly in the answer sheet.
- ❖ The portion for model exam will be **units 1 to 5.**

Encl: Model (TT)

CAT EXAM CO-ORDINATOR


CAT EXAM CO-ORDINATOR

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
MODEL EXAM Time Table – DECEMBER 2022

DATE	II YEAR CSE A	II YEAR CSE B
08.12.22 (Thursday)	CS3301 – Data Structures	CS3351– Digital Principles and Computer Organization
14.12.22 (Wednesday)	CS3352 – Foundations of Data Science	CS3391 – Object Oriented Programming
17.12.22 (Saturday)	MA3354 – Discrete Mathematics	CS3301 – Data Structures
21.12.22 (Wednesday)	CS3351– Digital Principles and Computer Organization	MA3354 – Discrete Mathematics
24.12.22 (Saturday)	CS3391 – Object Oriented Programming	CS3352 – Foundations of Data Science


CAT Coordinator


HOD/CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Model Exam – November 2022

CS3352-Foundation Of Data Science

SET A

Year/Sem/Sec	:	II/III/A	Date	:	14-12-2022
Department	:	CSE	Duration	:	3 hours
Faculty	:	ABBIRAMI R S	Max. Marks	:	100

PART A(10 x 2= 20)

1.	List the categories of end user access tool	U	CO1
2.	Define outliners	R	CO1
3.	Write about Interquartile Range	R	CO2
4.	How does frequency distributions are displayed?	A	CO2
5.	Define Scatterplot.	R	CO3
6.	What is the significance of r^2 ?	U	CO3
7.	Write the features of Numpy.	R	CO4
8.	Identify the limitations of Broadcasting.	U	CO4
9.	Write Python Code to display a simple plot using matplotlib.	U	CO5
10.	List out the features of seaborn module.	U	CO5

PART B (5x13=65)

11.	A) (i) Explain the advantages and disadvantages of data warehouse (ii) Explain the components of data warehouse (OR)	U	CO1																			
	B) Explain in detail the various forms to represent the data.	U	CO1																			
12.	A) i) State the guidelines for frequency distribution for quantitative data. ii) What are some possible poor features of the following frequency distribution?	U	CO2																			
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">ESTIMATED WEEKLY TV VIEWING TIME (HRS) FOR 250 SIXTH GRADERS</th> </tr> <tr> <th>VIEWING TIME</th> <th>f</th> </tr> </thead> <tbody> <tr><td>35-above</td><td>2</td></tr> <tr><td>30-34</td><td>5</td></tr> <tr><td>25-30</td><td>29</td></tr> <tr><td>20-22</td><td>60</td></tr> <tr><td>15-19</td><td>60</td></tr> <tr><td>10-14</td><td>34</td></tr> <tr><td>5-9</td><td>31</td></tr> <tr><td>0-4</td><td>29</td></tr> <tr><td>Total</td><td>250</td></tr> </tbody> </table> <p style="text-align: center;">(OR)</p>			ESTIMATED WEEKLY TV VIEWING TIME (HRS) FOR 250 SIXTH GRADERS		VIEWING TIME	f	35-above	2	30-34	5	25-30	29	20-22	60	15-19	60	10-14	34	5-9	31	0-4
ESTIMATED WEEKLY TV VIEWING TIME (HRS) FOR 250 SIXTH GRADERS																						
VIEWING TIME	f																					
35-above	2																					
30-34	5																					
25-30	29																					
20-22	60																					
15-19	60																					
10-14	34																					
5-9	31																					
0-4	29																					
Total	250																					
	B) Explain the various graphical forms to represent the quantitative data with neat diagrams.	U	CO2																			
13.	A) Explain the types of correlations between two variables and also explain how it is depicted graphically. (OR)	R	CO3																			
	B) Discuss about the interpretation of r^2 .	R	CO3																			
14.	A) Explain the use of fancy indexing accessing and modifying array values with example. (OR)	An	CO4																			
	B) Demonstrate on how vertical and horizontal splitting are done in Numpy Arrays.	An	CO4																			

15.	A) Explain different methods of showing three dimensional surface on a two dimensional plane with example (OR)	R	CO5
	B) Explain in detail about the functions of mpl_tool kit for Geographic data visualization.	U	CO5

PART C (1 x15=15)

16	A) Write Python Program to plot Line Chart by assuming your own data and explain the various attributes of line chart.	An	CO5
	B) i) Explain the usages of histogram for data exploration and explain its attributes.(8) ii) Elaborate the concept of subplots and its applications.	An	CO5



CAT COORDINATOR



HOD

17-12-22

38	411521104038	Gowsalya D	D. G. Salya	D. G. Salya	D. G. Salya	D. G. Salya	D. G. Salya
39	411521104039	Guberan T	T. Guberan	T. Guberan	T. Guberan	T. Guberan	T. Guberan
40	411521104040	Hari Krishnan U	U. Hari Krishnan	U. Hari Krishnan	U. Hari Krishnan	U. Hari Krishnan	U. Hari Krishnan
41	411521104041	Harini M	M. Harini	M. Harini	M. Harini	M. Harini	M. Harini
42	411521104042	Harish S	S. Harish	S. Harish	S. Harish	S. Harish	S. Harish
43	411521104044	Ishasri P	P. Ishasri	P. Ishasri	P. Ishasri	P. Ishasri	P. Ishasri
44	411521104045	Jagan M	M. Jagan	M. Jagan	M. Jagan	M. Jagan	M. Jagan
45	411521104046	Jana R	R. Jana	R. Jana	R. Jana	R. Jana	R. Jana
46	411521104047	Jeffrin Nelson J	J. Jeffrin Nelson	J. Jeffrin Nelson	J. Jeffrin Nelson	J. Jeffrin Nelson	J. Jeffrin Nelson
47	411521104048	Jitto M	M. Jitto	M. Jitto	M. Jitto	M. Jitto	M. Jitto
48	411521104050	Jogan Roy K	K. Jogan Roy	K. Jogan Roy	K. Jogan Roy	K. Jogan Roy	K. Jogan Roy
49	411521104051	Karthi S	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi
50	411521104052	Karthika E	E. Karthika	E. Karthika	E. Karthika	E. Karthika	E. Karthika
51	411521104053	Karthikeyan N	N. Karthikeyan	N. Karthikeyan	N. Karthikeyan	N. Karthikeyan	N. Karthikeyan
52	411521104054	Kavitha S	S. Kavitha	S. Kavitha	S. Kavitha	S. Kavitha	S. Kavitha
53	411521104055	Kavitha V	V. Kavitha	V. Kavitha	V. Kavitha	V. Kavitha	V. Kavitha
54	411521104056	Keerthika M	M. Keerthika	M. Keerthika	M. Keerthika	M. Keerthika	M. Keerthika
55	411521104057	Keerthivasan S	S. Keerthivasan	S. Keerthivasan	S. Keerthivasan	S. Keerthivasan	S. Keerthivasan
56	411521104058	Kowsalya B	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya
57	411521104059	Lakshmi Priya M	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya
58	411521104060	Lavanya B	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya
59	LE1	Arun. B U	U. Arun. B	U. Arun. B	U. Arun. B	U. Arun. B	U. Arun. B
60	LE2	Harish.P	P. Harish	P. Harish	P. Harish	P. Harish	P. Harish
61	LE3	Pradeep.M	M. Pradeep	M. Pradeep	M. Pradeep	M. Pradeep	M. Pradeep
62	LE4	Chirstopher Daniel.S	S. Chirstopher Daniel	S. Chirstopher Daniel	S. Chirstopher Daniel	S. Chirstopher Daniel	S. Chirstopher Daniel

63 Transfer I. Mohamed Subjuden
 64 Divalcal ab

COORDINATOR

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PERI INSTITUTE OF TECHNOLOGY									
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING									
MODEL EXAMINATION -RESULT ANALYSIS									
CLASS / SEM: II CSE A / III SEM				BATCH: 2021 - 2025					
S.NO	REG. NO.	NAME	DM	DPCO	FDS	OOPS	DS	No. of Sub Absent	No. of Sub failed
1	411521104001	Abdul Majith A	57	67	56	52	54	0	0
2	411521104002	Abishekraj K B	28	22	40	53	53	0	3
3	411521104003	Abinash S	15	55	60	50	33	0	2
4	411521104004	Adnan Mohammed S	35	ab	40	62	19	1	4
5	411521104005	Akash Jebaraj I	30	9	21	50	14	0	4
6	411521104006	Annamalai M	48	ab	40	50	53	1	3
7	411521104007	Archana B	57	67	60	72	71	0	0
8	411521104008	Arokia Anushya A	57	67	56	52	71	0	0
9	411521104009	Arul Pandian P	7	24	19	11	24	0	5
10	411521104010	Ashwin V	27	16	37	55	42	0	4
11	411521104011	Bargavi A V	61	52	36	ab	66	1	2
12	411521104012	Bhuvanesh G	18	11	12	56	33	0	4
13	411521104013	Chandrakala V	66	55	66	55	79	0	0
14	411521104015	Damodaren V	ab	45	AB	7	AB	3	5
15	411521104016	Dayana M	82	56	45	0	75	0	2
16	411521104017	Deepak J	12	ab	15	54	58	1	3
17	411521104018	Deepak Kumar K	33	7	19	ab	32	1	5
18	411521104020	Deepan Chakkaravarthi	6	0	2	0	9	0	5
19	411521104021	Devakumari S	40	51	66	22	55	0	2
20	411521104022	Devatharshini B	56	ab	40	55	53	1	2
21	411521104023	Dhanush V	37	0	36	27	60	0	4
22	411521104025	Dharani T	54	22	57	60	50	0	1
24	411521104027	Dinesh Chaudhary D	56	27	50	50	58	0	1
25	411521104028	Dinesh Kumar L	27	11	30	58	43	0	4
26	411521104029	Dinesh Kumar M	15	11	20	43	46	0	5
27	411521104030	Dinesh Kumar S	16	7	12	46	35	0	5
28	411521104031	Divya S	72	50	62	67	53	0	0
29	411521104032	Elakiya K	25	52	35	53	50	0	2
30	411521104033	Elakya R	52	55	72	50	62	0	0
31	411521104035	Gayathri B	51	60	52	62	50	0	0
32	411521104036	Gokul D	58	60	50	50	50	0	0
33	411521104037	Gokul R	31	59	67	50	AB	1	2
34	411521104038	Gowsalya D	55	53	58	62	68	0	0
35	411521104039	Guberan T	41	33	17	50	33	0	4
36	411521104040	Hari Krishnan U	50	63	56	50	52	0	0
37	411521104041	Harini M	56	59	57	AB	62	1	1
38	411521104042	Harish S	18	50	18	68	AB	1	3
39	411521104044	Ishasri P	55	67	50	55	60	0	0
40	411521104045	Jagan M	46	18	49	28	38	0	5
41	411521104046	Jana R	27	0	33	62	29	0	4
42	411521104047	Jeffrin Nelson J	50	6	18	AB	35	1	4
43	411521104048	Jitto M	ab	56	56	60	25	1	2
45	411521104051	Karthi S	27	19	23	29	51	0	4
46	411521104052	Karthika E	52	52	50	60	67	0	0
47	411521104053	Karthikeyan N	5	19	53	62	23	0	3

48	411521104054	Kavitha S	79	51	50	50	AB	1	1
49	411521104055	Kavitha V	50	58	57	50	62	0	0
50	411521104056	Keerthika M	50	45	60	AB	55	1	2
51	411521104057	Keerthivasan S	15	45	31	68	37	0	4
52	411521104058	Kowsalya B	56	56	50	53	58	0	0
53	411521104059	Lakshmi Priya M	58	50	56	66	70	0	0
54	411521104060	Lavanya B	72	60	65	62	67	0	0
55	LATERAL	Arun	6	0	56	AB	13	1	4
56	LATERAL	Christoper Danier	59	50	53	60	AB	1	1
57	LATERAL	Harish p	55	53	55	67	78	0	0
58	LATERAL	Pradeep Raj	5	51	10	29	AB	1	4
59	LATERAL	Dhivakar M	9	20	AB	35	55	1	4
60	LATERAL	Mohamed sirajuddin	54	20	50	67	31	0	2
61	LATERAL	Gokulakrishnan	50	59	78	41	55	0	1
62	LATERAL	Anitha M	48	40	55	50	45	0	3
63	LATERAL	Baskar C	50	41	59	44	46	0	3
64	LATERAL	Kumaresan R	43	41	41	50	52	0	3
65	LATERAL	Muthukumaraswamy S	52	53	48	57	59	0	1
66	LATERAL	Naveen Kumar Y C	49	47	67	48	55	0	3
67	LATERAL	Praveen V	59	50	53	60	AB	1	1
Present			65	63	65	61	60		
Absent			2	4	2	6	7		
Passed			32	32	35	45	36		
Failed			31	29	28	16	22		
Pass Percentage(with Total Strength)			47.8	47.8	52.2	67.2	53.7		
Pass Percentage (with Absentees Count)			49.2	50.8	53.8	73.8	60		
No. Of Students Passed in all the Subjects			18						
Overall Pass %			26.87						

[Signature]
HOD/USE

ODD SEMESTER 2022 – 2023
Class Committee Meeting Circular

Date: 19.10.2022

Batch: B.E CSE (2021 – 2025)

Year/Sem/Sec: II/ III / 'A'

Chairperson: Mrs.G.S.Gayathri

H.O.D – Mrs.K.Varalakshmi

The Second class committee meeting for II year CSE 'A' for the academic year 2022-2023 (Odd semester) will be held on 20.10.22 at 11.00 pm in Lab 3 in the presence of HOD of CSE, subject handling faculty members and selected students. All the members are requested to attend the meeting to improve the effectiveness of teaching-learning process.

Subject Handling Faculty Members:

Sl.No	Subject Code	Subject Name	Staff Name	Signature
1	MA3354	Discrete Mathematic	Ms.Lakshmi Priya	M. Lakshmi Priya 21/10/22
2	CS3352	Digital Principles and Computer Organization	Dr.R.Dinesh Kumar	Dr.R.Dinesh Kumar 19/10/22
3	CS3353	Foundations of Data Science	Ms. R.S Abbirami	R.S. Abbirami 21/10/22
4	CS3351	Data Structures	Ms.S. Jonisha	S. Jonisha 21/10/22
5	CS3391	Object Oriented Programming	Ms. K.Varalakshmi	K. Varalakshmi 21/10/22
6	CS3353	Foundations of Data Science Lab	Mrs. R.S.Abbirami	R.S. Abbirami 21/10/22
7	CS3311	Data Structures Lab	Mrs. S. Jonisha	S. Jonisha 21/10/22
8	CS3381	Object Oriented Programming Lab	Mr. V.Dharma Prakash	V. Dharma Prakash 21/10/22

Student Members

S.No	Student Name	Signature
1	Karthiga.E	E. Karthiga
2	Keerthika.M	M. Keerthika 21/10/22
3	Gowsalya.D	D. Gowsalya 21/10/22
4	Karthikeyan.N	N. Karthikeyan 21/10/22
5	Jitto.M	M. Jitto 21/10/22
6	Adnan Mohammed	Adnan Mohammed 21/10/22

Chairperson

HOD-CSE

Batch: B.E CSE (2021 – 2025)

Chairperson: Mrs.G.S.Gayathri

Year/Sem/Sec: II/ III / 'A'

H.O.D – Mrs.K.Varalakshmi

Attendance sheet for the Class committee meeting held on 20.10.2022 at 2pm

Staff Members:

Sl.No	Staff Name	Signature
1	Ms.Lakshmi Priya	m. L 21/10/22
2	Dr.R.Dinesh Kumar	Dr. R. Dinesh Kumar 21/10/22
3	Ms R.S.Abbirami	R.S. Abbirami 21/10/22
4	Ms.S.Jonisha	S. Jonisha 21/10/22
5	Ms. K.Varalakshmi	K. Varalakshmi 21/10/22

Student Members

S.No	Student Name	Signature
1	Karthiga.E	E. Karthika
2	Keerthika.M	M. Keerthika 21/10/22
3	Gowsalya.D	D. Gowsalya 21/10/22
4	Karthikeyan.N	N. Karthikeyan 21/10/22
5	Jitto.M	M. Jitto 21/10/22
6	Adnan Mohammed	Adnan Mohammed 21/10/22


Chairperson
HOD-CSE

Batch: B.E CSE (2021 – 2025)
Chairperson: Mrs.G.S.Gayathri

Year/Sem/Sec: II/ III / 'A'
H.O.D – Mrs.K.Varalakshmi

Syllabus Completion

Sl.No	Subject Code	Subject Name	Completion Status
1	MA3354	Discrete Mathematic	Completed 1- 3 Units Completed 90% of Unit 4
2	CS3352	Digital Principles and Computer Organization	Completed 1- 3 Units Completed 50% of Unit 4
3	CS3353	Foundations of Data Science	Completed 1- 3 Units Completed 50% of Unit 4
4	CS3351	Data Structures	Completed 1- 4 Units
5	CS3391	Object Oriented Programming	Completed 1- 3 Units Completed 50% of Unit 4

The following points were discussed during the Class Committee Meeting for
II CSE A Held on 20.10.2022 at 12.50 pm

S.No	Points Discussed	Action Taken
Subjects		
1	Discrete Mathematic - Students requested to explain the Math Problems in the board.	Has been conveyed to the HOD. Will be assigned.
2	Digital Principles and Computer Organization	Satisfied with the teaching methods and staff.
3	Foundations of Data Science	Satisfied with the teaching methods and staff. Conveyed to staff
5	Data Structures - Student requested for revision.	Conveyed to staff. Time table scheduled for the revision classes
6	Object Oriented Programming - Student requested for revision.	Conveyed to staff. Time table scheduled for the revision classes
General		
7	Discussed regarding marks obtained in the CAT 1 exam and the importance of writing assignments.	
8	Increasing class Attendance percentage. Advised to attend classes regularly and improve attendance percentage and also not to come late	
9	Discipline - Advised students to maintain discipline inside college campus and classrooms and to avoid creating unwanted problems.	
10	Dress code - Advised students to follow proper dress code.	
11	Advised students to utilize the lab hours properly in upgrading their programming knowledge.	
12	Discussed about Nan Mudhalvan Scheme and the courses provided	
13	Students requested to repair the rooftop water leakage problem and provide drinking water in the 3 rd floor.	
14	Students requested to cover the window to avoid the sun shade and washroom issues of cleaning.	


Chairperson

PERI INSTITUTE OF TECHNOLOGY
IQAC ACADEMIC CALENDER 2022-23 EVEN SEMESTER (II YEAR)

JANUARY				FEBRUARY			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Sun			1	Wed	Reopening for IV, VI and VIII Sem	1
2	Mon			2	Thu	Class Committee week	2
3	Tue			3	Fri		3
4	Wed	Governing Council meeting		4	Sat		
5	Thu			5	Sun		
6	Fri			6	Mon	Commencement of Aptitude Training 6th sem	6
7	Sat	IQAC Academic Verification End Sem		7	Tue		7
8	Sun			8	Wed	Zeroth -Review Report	8
9	Mon			9	Thu		9
10	Tue	IQAC Meeting		10	Fri		10
11	Wed			11	Sat		11
12	Thu	National -Youth Day		12	Sun		
13	Fri			13	Mon		12
14	Sat	Pongal Holidays		14	Tue		13
15	Sun	Pongal Holidays		15	Wed		14
16	Mon	Pongal Holidays		16	Thu		15
17	Tue	Pongal Holidays		17	Fri	Annual Sports Meet	16
18	Wed			18	Sat		
19	Thu			19	Sun		
20	Fri			20	Mon	Class Committee Meeting week	17
21	Sat			21	Tue		18
22	Sun			22	Wed		19
23	Mon	Placement Meeting -1		23	Thu	National - Science Day	20
24	Tue			24	Fri		21
25	Wed	National - Voters Day		25	Sat	First review Report Submission	
26	Thu	Holiday - Republic Day		26	Sun		
27	Fri	IQAC Academic Verification -Starts		27	Mon		22
28	Sat			28	Tue		23
29	Sun						
30	Mon						
31	Tue						
MARCH				APRIL			

MARCH

APRIL

Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Wed		24	1	Sat	Annual Appraisal Window starts	
2	Thu		25	2	Sun		
3	Fri		26	3	Mon		50
4	Sat		27	4	Tue		51
5	Sun			5	Wed		52
6	Mon	Laboratory Model Examination 1	28	6	Thu		53
7	Tue	Commencement of CAT 1-2nd,3rd&4th year	29	7	Fri	Holiday - Good Friday	
8	Wed	International Womens Day	30	8	Sat		
9	Thu		31	9	Sun		
10	Fri		32	10	Mon		54
11	Sat	Annual - Culturals	33	11	Tue	Commencement of CAT 2-2nd,3rd&4th year	55
12	Sun			12	Wed		56
13	Mon		34	13	Thu		57
14	Tue		35	14	Fri		58
15	Wed		36	15	Sat		
16	Thu		37	16	Sun		
17	Fri		38	17	Mon	Class Committee Meeting week	59
18	Sat			18	Tue		60
19	Sun			19	Wed	International Conference -ICCCI	61
20	Mon		39	20	Thu		62
21	Tue		40	21	Fri	Third Review report	63
22	Wed	World Water Day	41	22	Sat	Holiday - Ramzan/World Earth Day	
23	Thu		42	23	Sun		
24	Fri	Idea Fest	43	24	Mon		64
25	Sat		44	25	Tue		65
26	Sun			26	Wed		66
27	Mon	Class Committee meeting week	45	27	Thu		67
28	Tue	Second Review Report Submission	46	28	Fri	International Conference ICRCT	68
29	Wed	Mid semester Feed back	47	29	Sat		69
30	Thu		48	30	Sun		
31	Fri		49				

JULY				AUGUST			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Sun			1	Tue		
2	Mon			2	Wed		
3	Tue			3	Thu		
4	Wed			4	Fri		
5	Thu			5	Sat		
6	Fri			6	Sun		
7	Sat			7	Mon	Laboratory Model Examination 1- First year	
8	Sun			8	Tue		
9	Mon			9	Wed		
10	Tue			10	Thu		
11	Wed	Commencement of CAT 2- First year		11	Fri		
12	Thu			12	Sat		
13	Fri			13	Sun		
14	Sat			14	Mon		
15	Sun			15	Tue	Semester Examination Begins- First year	
16	Mon			16	Wed		
17	Tue			17	Thu		
18	Wed			18	Fri		
19	Thu			19	Sat		
20	Fri			20	Sun		
21	Sat			21	Mon		
22	Sun			22	Tue		
23	Mon			23	Wed		
24	Tue			24	Thu		
25	Wed			25	Fri		
26	Thu			26	Sat		
27	Fri	Commencement of Model exam-First year		27	Sun		
28	Sat			28	Mon		
29	Sun			29			
31	Mon			31			


IQAC COORDINATOR


PRINCIPAL

Dr. R. PALSON KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

PERI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Calendar(2022-2023/ Even Sem) (II YEAR)

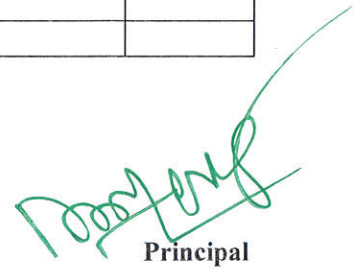
February				March			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Wed	Reopening for IV, VI and VIII Sem	1	1	Wed		24
2	Thu	Zeorth Review (4th Year)	2	2	Thu		25
3	Fri	Zeorth Review (4th Year)	3	3	Fri		26
4	Sat	Zeorth Review (3rd Year)	4	4	Sat		27
5	Sun	Holiday		5	Sun	Holiday	
6	Mon	Commencement of Aptitude Training 6th sem/Zeorth Review (2nd Year)	5	6	Mon	Lab Model Exam-1	28
7	Tue		6	7	Tue	Commencement of CATI /Guest Lecture-Artificial Intelligence IV YEAR	29
8	Wed	Zeroth -Review Report/Guest Lecture-Networking	7	8	Wed	International Women's Day	30
9	Thu	CCM-1	8	9	Thu	Second Review -IV year	31
10	Fri		9	10	Fri	CCM-2	32
11	Sat		10	11	Sat	Annual-Culturals	33
12	Sun	Holiday		12	Sun	Holiday	
13	Mon	Industrial Visit-II year-A	11	13	Mon	Workshop-Full stack Development	34
14	Tue	Industrial Visit-II year-A	12	14	Tue	Workshop-Full stack Development	35
15	Wed	First Review-IV year	13	15	Wed	Second Review -IV year	36
16	Thu	First Review-IV year	14	16	Thu	Second Review -IV year	37
17	Fri	Annual Sports Meet	15	17	Fri	Second Review -II year	38
18	Sat			18	Sat	Second Review -II year	39
19	Sun	Holiday		19	Sun	Holiday	
20	Mon	First Review-III yr	16	20	Mon	Second Review -III year	40
21	Tue	Industrial Visit-Sansbound Technologies-III yr /First Review-II/AI work shop yr	17	21	Tue	Second Review-III year /Workshop-Oracle	41
22	Wed	Industrial Visit-Sansbound Technologies-III yr/First Review-II yr	18	22	Wed	Workshop-Oracle	42
23	Thu	First Review-III yr/AI work shop	19	23	Thu		43
24	Fri	AI work shop	20	24	Fri	Idea Fest	44
25	Sat	AI work shop	21	25	Sat		45
26	Sun	Holiday		26	Sun	Holiday	
27	Mon		22	27	Mon	Guest Lecture-Data Warehousing and Data Mining	46
28	Tue		23	28	Tue	Second Review Report Submission	47
29				29	Wed	Mid- Sem feed back week	48
30				30	Thu	Coding Contest/Second Review-IV Year	49
31				31	Fri	CCM-3	50

April				May			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Sat		51	1	Mon	Holiday	74
2	Sun	Holiday		2	Tue	Coaching 1 + Model 1	75
3	Mon		52	3	Wed	Coaching 2	76
4	Tue		53	4	Thu	Coaching 2 + Model 2	77
5	Wed		54	5	Fri	Coaching 3	78
6	Thu		55	6	Sat	Coaching 3 + Model 3	79
7	Fri	Good Friday		7	Sun	Holiday	
8	Sat			8	Mon	Coaching 4	80
9	Sun	Holiday		9	Tue	Coaching 4+ Model 4	81
10	Mon		56	10	Wed	Coaching 5	82
11	Tue	Commencement of CAT 2	57	11	Thu	Coaching 5 + Model 5	83
12	Wed	Third Review IV year	58	12	Fri	Coaching 6	84
13	Thu	Third Review IV year	59	13	Sat	Coaching 6 + Model 6	85
14	Fri	Webinar on Introduction to Machine Learning	60	14	Sun	Holiday	
15	Sat	Third Review-III year	61	15	Mon	End - Semester Feed back	86
16	Sun	Holiday		16	Tue		87
17	Mon	Third Review-III year	62	17	Wed		88
18	Tue	Third Review-II year	63	18	Thu		89
19	Wed	International Conference -ICCCI	64	19	Fri		90
20	Thu	Third Review-II year	65	20	Sat		91
21	Fri	Third Review Report	66	21	Sun		
22	Sat	Holiday - Ramzan/World Earth Day	67	22	Mon		
23	Sun	Holiday		23	Tue		
24	Mon		68	24	Wed		
25	Tue		69	25	Thu		
26	Wed		70	26	Fri		
27	Thu		71	27	Sat		
28	Fri		72	28	Sun		
29	Sat		73	29	Mon		
30	Sun	Holiday		30	Tue		
				31	Wed		


HOD/CSE


IQAC Coordinator

Coordinator
Internal Quality Assurance Cell
PERI Institute of Technology
Mannivakkam, Chennai - 600 048.


Principal

Dr. R. PALSON KENNEDY, M.E., Ph.D.
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048

PERI Institute of Technology
Academic Year 2022 – 2023 (EVEN Semester)
Department of Computer Science Engineering

PERI / 2022 –23 / EVEN / CSE / 01

Date:27.02.2023

CIRCULAR

All the students are informed that the First Continuous Assessment Test (CAT 1) will be conducted from 7th March 2023 to 15th March 2023.

Important Note to students:

- ❖ The students must be present in the class before 8.30AM
- ❖ The exam starts by 8:45 AM and ends by 11.45 AM.
- ❖ Late comers will not be strictly allowed to write the test.
- ❖ The students must bring their required stationeries
- ❖ The students are instructed to write their name and register number correctly on the top right corner of the answer sheet.
- ❖ The portions for the test will be 1st & 2nd unit.

Encl: CAT 1 (TT)

Copy to:

1. Principal


HOD - CSE

PERI Institute of Technology
Academic Year 2022 – 2023 (EVEN Semester)
Department of Computer Science Engineering

PERI / 2022 –23 / EVEN / CSE / 02

Date: 27.02.2023

CIRCULAR

Dear Faculty Members ,

This to inform you that CAT I examination starts from 7TH March, 2022 (Tuesday) onwards. The faculties handling II,III, and IV year are asked to prepare two sets of question papers for each handling subject. Kindly send the question papers to this mail id: catexamcse@gmail.com

Timing: 8:45 AM TO 11:45 AM

QP Pattern for II, III and IV year

Portion: 1st and 2nd Units

Max. Marks: 100

Duration: 3hrs

Part A: 10 Questions (2 marks)

Part B: 5 Questions (13 marks) with choice

Part C: 1 Question (15 marks) with choice

Encl: 1.Question paper Template.
2. Time table

Regards
CAT Cell/ CSE


CAT EXAM CO ORDINATOR


HOD/CSE

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
7.03.2023 (Tuesday)	GE3451- Environmental Sciences and Sustainability	CS3451- Introduction to Operating Systems	CS8651 – Internet Programming	CS8603 – Distributed System	GE8076 – Professional Ethics in Engineering	CS8080 – Information Retrieval Techniques
8.03.2023 (Wednesday)	CS3451- Introduction to Operating Systems	CS3401- Algorithms	CS8601 – Mobile Computing	CS8651 – Internet Programming	CS8080 – Information Retrieval Techniques	GE8076 – Professional Ethics in Engineering
9.03.2023 (Thursday)	CS3401- Algorithms	GE3451- Environmental Sciences and Sustainability	CS8603 – Distributed System	CS8601 – Mobile Computing		
10.03.2023 (Friday)	CS3492 – Database Management Systems	CS8491- Artificial Intelligence and Machine Learning	CS8691 – Artificial Intelligence	CS8075 – Data Warehousing and Data Mining	--	--
14.03.2023 (Tuesday)	CS3452- Theory of Computation	CS3492 – Database Management Systems	CS8602 – Compiler Design	CS8691 – Artificial Intelligence		
15.03.2023 (Wednesday)	CS8491- Artificial Intelligence and Machine Learning	CS3452- Theory of Computation	CS8075 – Data Warehousing and Data Mining	CS8602 – Compiler Design	--	--

[Signature]
2/3/23
HOD - CSE

[Signature]
2/3/23
Vice Principal

[Signature]
Principal

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SET A

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAT EXAM I: MARCH 2023

CS3452-THEORY OF COMPUTATION

Year/Sem/Sec	:	II / IV /B	Date	:	08/03/2023
Department	:	CSE	Duration	:	3 hours
Faculty	:	Mr.A.VIJAYANARAYANAN(AP/CSE)	Max. Marks	:	100

PART A

(10 x 2= 20)

1.	List the applications of TOC?	R	CO 1
2.	Differentiate DFA and NFA?	U	CO 1
3.	State Thomson's rule?	R	CO 1
4.	Define extended transition function for a ϵ -NFA?	R	CO 1
5.	Define the term epsilon transition?	R	CO 1
6.	Compose the difference between the + closure and * closure?	R	CO 2
7.	Define Regular Expression.	R	CO 2
8.	Write the regular expression for all strings that contain no more than one occurrence of aa?	A	CO 2
9.	Tabulate the regular expression for the following $L1$ =set of strings any no a's except null string?	R	CO 2
10.	Differentiate between regular expression and regular Language?	U	CO 2

PART B

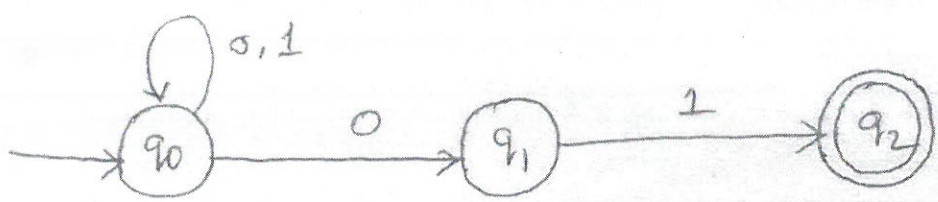
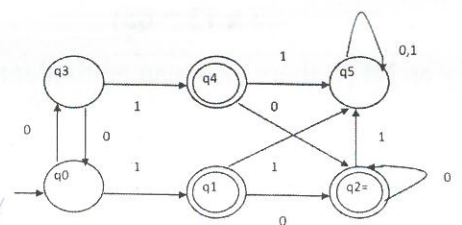
(5 x 13 = 65)

11.	a). Prove that for every L recognized by an NFA, there exists an equivalent DFA accepting the same language L? OR b). Prove that for every L recognized by an ϵ -NFA, there exists an equivalent DFA accepting the same language L?	U	CO 1
12.	a). Give the NFA that accepts all strings that end in 01. Give its transition table and the extended transition function for the input string 00101. Also construct a DFA for the above NFA ? OR	A	CO 1

	b). Describe the extended transition function for NFA ,DFA and ϵ -NFA?	U	CO 1
13.	a). Explain in detail about different forms of Proofs? OR b). Demonstrate how the set $L = \{a^n b^n / n \geq 0\}$ is not a regular.?	R	CO 2
		A	CO 2
14.	a). Demonstrate how the set $L = \{a b^n / n \geq 1\}$ is not a regular? OR b). Construct Finite Automata equivalent to the regular expression $a(a+b)^* ab$?	A	CO 2
		A	CO 2
15.	a). Express that the regular languages are closed under: (a)union (b)intersection (c)Kleene Closure (d)Complement (e)Difference? OR b). i) Prove the L1 and L2 are two languages then $L1 - L2$ is regular (7) ii) Prove the L1 and L2 are two languages then $L1 \cdot L2$ is regular (6)	U	CO2
		A	CO2

PART C

(1 * 15 = 15)

16.	a). Construct DFA equivalent to the NFA given below 	A	CO1
	OR b). Explain the DFA Minimization algorithm and minimize the below DFA 	A	CO1

CAT COORDINATOR

HOD/CSE

7.3.23 8.3.23 9.3.23 10.3.23 14.3.23 15.3.23

37	411521104042	Harish S	Harish S	Harish S	Harish S	AB	Harish S	
38	411521104044	Ishasri P	Ishasri P	Ishasri P	Ishasri P	Ishasri P	Ishasri P	
39	411521104045	Jagan M	M. Jagan	M. Jagan	M. Jagan	M. Jagan	M. Jagan	
40	411521104046	Jana R	AB	AB	AB	AB	R. Jagan	
41	411521104047	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	
42	411521104048	Jitto M	M. Jitto	M. Jitto	M. Jitto	AB	M. Jitto	
43	411521104051	Karthi S	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi	
44	411521104052	Karthika E	Karthika E	Karthika E	AB	Karthika E	Karthika E	
45	411521104053	Karthikeyan N	Karthikeyan N	Karthikeyan N	Karthikeyan N	Karthikeyan N	Karthikeyan N	
46	411521104054	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S	
47	411521104055	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V	
48	411521104056	Keerthika M	AB	AB	AB	AB	M. Keerthika	
49	411521104057	Keerthivasan S	S. Keerthivasan	S. Keerthivasan	S. Keerthivasan	S. Keerthivasan	S. Keerthivasan	
50	411521104058	Kowsalya B	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya	
51	411521104059	Lakshmi Priya M	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	
52	411521104060	Lavanya B	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya	
53	411521104301	Anitha M	OD	OD	OD	OD	OD	
54	411521104302	Arun	OD	OD	OD	OD	AB	
55	411521104303	Baskar C	OD	OD	OD	OD	OD	
56	411521104304	Christoper Daniel	Due	Due	Due	AB	AB	
57	411521104305	Dhivakar M	Due	Due	Due	AB	AB	
58	411521104306	Harish P	P. Harish	P. Harish	P. Harish	P. Harish	AB	
59	411521104309	Madan Kishore	OD	OD	OD	OD	OD	
60	411521104311	Pradeep Raj	Pradeep Raj	Pradeep Raj	Pradeep Raj	AB	AB	
61	411521104312	Praveen V	OD	OD	OD	OD	OD	
62	411521104701	Mohamed sirajuddin	AB	AB	AB	AB	AB	
		No. Present	52	51	49	43	48	47
		No. Absent	05	6	8	14	09	11
		No. OD	05	5	5	5	05	04

W 48 48 46 43

Office
NCP-ISE

AB

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PERI INSTITUTE OF TECHNOLOGY										
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING										
CAT I-RESULT ANALYSIS										
CLASS / SEM: II CSE A / IV SEM			BATCH: 2021 - 2025							
S.NO	REG. NO.	NAME	CS3451 OS	CS3401 AL	CS3491 AIML	CS3452 TOC	CS3492 DBMS	GE3451 ESS	No. of Sub Absent	No. of Sub failed
1	411521104001	Abdul Majith A	51	60	61	56	71	50	1	1
2	411521104002	Abishekraj K B	58	56	56	59	56	65	3	0
3	411521104003	Abinash S	15	54	55	15	37	57	0	3
4	411521104004	Adnan Mohammed S	43	61	61	50	59	89	0	1
5	411521104005	Akash Jebaraj I	58	79	70	81	71	84	0	0
6	411521104006	Annamalai M	51	64	70	50	68	73	0	0
7	411521104007	Archana B	50	51	59	43	54	71	0	1
8	411521104008	Arokia Anushya A	7	56	3	12	56	16	2	6
9	411521104009	Arul Pandian P	53	51	67	62	56	70	1	1
10	411521104010	Ashwin V	51	60	61	56	71	66	1	1
11	411521104011	Bargavi A V	21	50	50	10	53	53	0	2
12	411521104012	Bhuvanesh G	56	33	24	12	11	56	2	6
13	411521104013	Chandrakala V	56	70	78	89	56	85	2	2
14	411521104015	Damodaren V	16	50	59	7	15	56	0	3
15	411521104016	Dayana M	16	19	56	7	25	56	2	6
16	411521104017	Deepak J	63	64	78	80	72	87	0	0
17	411521104018	Deepak Kumar K	43	51	53	17	36	68	0	3
18	411521104020	Deepan Chakkaravarthi K	47	50	60	22	45	63	0	3
19	411521104021	Devakumari S	57	41	68	58	70	77	0	1
20	411521104022	Devatharshini B	51	29	50	28	31	50	0	3
21	411521104023	Dhanush V	69	54	50	50	56	74	0	0
22	411521104025	Dharani T	47	33	58	61	41	51	0	3
23	411521104027	Dinesh Chaudhary D	37	12	59	61	50	60	0	2
24	411521104028	Dinesh Kumar L	63	38	41	6	22	59	0	4
25	411521104029	Dinesh Kumar M	31	21	52	8	20	18	0	5
26	411521104030	Dinesh Kumar S	63	64	69	65	54	75	0	0
28	411521104032	Elakiya K	21	60	33	5	51	15	0	4
29	411521104033	Elakya R	8	56	37	57	56	38	2	5
30	411521104035	Gayathri B	3	1	56	4	7	12	1	6
31	411521104036	Gokul D	57	76	72	60	71	91	0	0
32	411521104037	Gokul R	59	73	73	74	75	79	0	0
33	411521104038	Gowsalya D	67	45	10	50	56	19	1	4
34	411521104039	Guberan T	37	36	36	50	45	54	0	4
35	411521104040	Hari Krishnan U	50	54	51	27	50	69	0	1
36	411521104041	Harini M	58	70	59	53	59	75	0	0
37	411521104042	Harish S	40	29	50	13	36	32	0	5
38	411521104044	Ishasri P	58	63	71	28	54	70	0	1
39	411521104045	Jagan M	50	50	69	30	56	74	0	1
40	411521104046	Jana R	71	51	51	16	43	35	0	3
41	411521104047	Jeffrin Nelson J	69	50	50	52	50	57	0	0
42	411521104048	Jitto M	51	56	56	21	56	11	3	5
43	411521104051	Karthi S	50	19	12	56	5	2	2	6
44	411521104052	Karthika E	35	50	60	56	50	66	0	1
45	411521104053	Karthikeyan N	27	36	61	39	29	30	0	5
46	411521104054	Kavitha S	73	74	56	56	17	56	2	3
47	411521104055	Kavitha V	28	31	31	15	35	13	0	6
48	411521104056	Keerthika M	26	50	44	56	27	56	1	4
49	411521104057	Keerthivasan S	44	60	58	50	54	68	0	1
50	411521104058	Kowsalya B	67	59	68	78	50	81	0	0
51	411521104059	Lakshmi Priya M	71	51	51	56	89	67	0	0

52	411521104060	Lavanya B	40	54	65	21	50	61	0	2	
53	LATERAL	Arun	62	59	56	40	35	81	0	2	
54	LATERAL	Christoper Danler	51	53	57	25	50	74	0	1	
55	LATERAL	Harish P	51	53	57	25	50	74	6	7	
56	LATERAL	Pradeep Raj	30	56	20	22	56	10	2	6	
57	LATERAL	Dhivakar M	54	34	68	21	22	66	0	3	
58	LATERAL	Mohamed sirajuddin	35	56	39	20	56	41	2	6	
59	LATERAL	Anitha M	12	12	73	74	56	16	0	3	
60	LATERAL	Baskar C	43	51	53	17	36	50	1	4	
61	LATERAL	Madan Kishore	47	50	60	56	45	56	6	8	
62	LATERAL	Praveen V	51	53	57	25	50	74	6	7	
Present			61	61	61	61	61	61	6		
Absent			0	0	0	0	0	0	6		
Passed			34	44	49	30	38	46	6		
Failed			27	17	12	31	23	15	6		
Pass Percentage(with Total Strength)			54.8	71	79	48.4	61.3	74.2	6		
Pass Percentage (with Absentees Count)			55.7	72.1	80.3	49.2	62.3	75.4	6		
No. Of Students Passed in all the Subjects			12								
Overall Pass %			17.91								

[Handwritten Signature]
MOHAMED SIRAJUDDIN

PERI Institute of Technology
Academic Year 2022 – 2023 (EVEN Semester)
Department of Computer Science Engineering

PERI / 2022 –23 / EVEN / CSE / 04

Date: 18.03.2023

CIRCULAR

Dear Faculty Members ,

This to inform you that Retest for CAT I examination starts from 20TH March, 2023 (Monday) onwards. The faculties handling II, III, and IV year are asked to prepare question paper for each handling subjects. Kindly send the question papers to this mail id: catexamcse@gmail.com

Timing: 3:45 PM TO 5:15 PM

QP Pattern for II, III and IV year

Portion: 1st and 2nd Units

Max. Marks: 50

Duration: 1 Hour 30 Mins

Part A: 5 Questions (2 marks)

Part B: 4 Questions (10 marks) with choice

Encl: 1.Question paper Template.
2. Time table

Regards
CAT Cell/ CSE

CAT EXAM CO ORDINATOR

HOD/CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
CAT – I Retest Time Table – March 2023

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
20.03.2023 (Monday)	CS3451- Introduction to Operating Systems	CS3451- Introduction to Operating Systems	CS8691 – Artificial Intelligence	CS8075 – Data Warehousing and Data Mining	CS8080 – Information Retrieval Techniques	CS8080 – Information Retrieval Techniques
21.03.2023 (Tuesday)	CS3452- Theory of Computation	CS3452- Theory of Computation	CS8602 – Compiler Design	CS8603 – Distributed System	GE8076 – Professional Ethics in Engineering	GE8076 – Professional Ethics in Engineering
22.03.2023 (Wednesday)	GE3451- Environmental Sciences and Sustainability	CS3492 – Database Management Systems	CS8651 – Internet Programming	CS8601 – Mobile Computing	--	--
23.03.2023 (Thursday)	CS3492 – Database Management Systems	CS3401- Algorithms	CS8601 – Mobile Computing	CS8691 – Artificial Intelligence	--	--
24.03.2023 (Friday)	CS3401- Algorithms	CS8491- Artificial Intelligence and Machine Learning	CS8603 – Distributed System	CS8602 – Compiler Design	--	--
25.03.2023 (Saturday)	CS8491- Artificial Intelligence and Machine Learning	GE3451- Environmental Sciences and Sustainability	CS8075 – Data Warehousing and Data Mining	CS8651 – Internet Programming	--	--

CAT COORDINATOR

HOD/CSE

PERI Institute of Technology
Academic Year 2022 – 2023 (EVEN Semester)
Department of Computer Science Engineering

PERI / 2022 –23 / EVEN / CSE / 05

Date:06.04.2023

CIRCULAR

All the students are informed that the Second Continuous Assessment Test (**CAT 2**) will be conducted from 11th April 2023 to 19th April2023.

Important Note to students:

- ❖ The students must be present in the class before 8.30AM
- ❖ The exam starts by 8:45 AM and ends by 11.45 AM.
- ❖ Late comers will not be strictly allowed to write the test.
- ❖ The students must bring their required stationeries
- ❖ The students are instructed to write their name and register number correctly on the top right corner of the answer sheet.
- ❖ The portions for the test will be 3rd & 4th unit.

Encl: CAT 2(TT)


MOD-CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CAT – II Time Table – April 2023 (Revised)

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
11.04.2023 (Tuesday)	CS3451- Introduction to Operating Systems	CS8491- Artificial Intelligence and Machine Learning	CS8601 – Mobile Computing	CS8603 – Distributed System	CS8080 – Information Retrieval Techniques	CS8080 – Information Retrieval Techniques
12.04.2023 (Wednesday)	CS3401- Algorithms	CS3451- Introduction to Operating Systems	CS8603 – Distributed System	CS8651 – Internet Programming		
13.04.2023 (Thursday)	CS3492 – Database Management Systems	CS3401- Algorithms	CS8651 – Internet Programming	CS8075 – Data Warehousing and Data Minin	--	--
15.04.2023 (Saturday)	CS3452- Theory of Computation	CS3492 – Database Management Systems	CS8075 – Data Warehousing and Data Mining	CS8601 – Mobile Computing	--	--
18.04.2023 (Tuesday)	GE3451- Environmental Sciences and Sustainability	CS3452- Theory of Computation	CS8602 – Compiler Design	CS8691 – Artificial Intelligence	GE8076 – Professional Ethics in Engineering	GE8076 – Professional Ethics in Engineering
19.04.2023 (Wednesday)	CS8491- Artificial Intelligence and Machine Learning	GE3451- Environmental Sciences and Sustainability	CS8691 – Artificial Intelligence	CS8602 – Compiler Design	--	--

CAT COORDINATOR

HOD OCSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAT EXAM II : APRIL 2023

CS3452-THEORY OF COMPUTATION

Year/Sem/Sec : II / IV/ B

Date : 18.04.2023

Department : CSE

Duration : 3 hours

Faculty : Mr.A.VIJAYANARAYANAN(AP/CSE)

Max. Marks : 100

PART A

(10 x 2= 20)

1.	Define ambiguous grammar and CFG?	R	CO 3
2.	Examine the string aaabbabbba for the Grammar G with $S \rightarrow aB bA$ $A \rightarrow a aS bAA$ $B \rightarrow b bS aBB$	A	CO 3
3.	Examine whether a pushdown automata has a memory?	U	CO 3
4.	What is Instantaneous Descriptions (ID)?	R	CO 3
5.	Illustrate the rightmost derivation $(a+b)^*c$ for using the grammar and also state whether a given grammar is ambiguous one or not. $E \rightarrow E+E/E^*E/(E)/id$	A	CO 3
6.	What are the three ways to simplify a context free grammar?	R	CO 4
7.	State the pumping lemma for CFL	R	CO 4
8.	When is a function f said to be Turing computable ?	U	CO 4
9.	List the primary objectives of TM ?	U	CO 4
10.	What are the differences between a Finite automata and a Turing machine ?	U	CO 4

PART B

(5 x 13 = 65)

<p>11.</p>	<p>a). Design a PDA to accept $\{0^n1^n n > 1\}$. Draw the transition diagram for the PDA. Show by instantaneous description that the PDA accepts the strings '0011'.</p> <p style="text-align: center;">OR</p> <p>b). Let $G=(V,T,P,S)$ be a Context Free Grammar then prove that if the recursive inference procedure call tells us that terminal string W is in the language of variable A, then there is a parse tree with a root A and yield w?</p>	<p>A A</p>	<p>CO 3 CO 3</p>
<p>12.</p>	<p>a). Solve the following grammar $S \rightarrow aAa \mid bBb \mid BB$ $A \rightarrow C$ $B \rightarrow S \mid A$ $C \rightarrow S \mid \epsilon$ for the string abaaba .Give</p> <p>i) Left most derivation ii)Right most derivation iii)Derivation Tree iv) For the string abaabbba, find the right most derivation</p> <p style="text-align: center;">OR</p> <p>b). Describe the PDA that accept the given CFG $S \rightarrow aSbb$ $S \rightarrow aab$</p>	<p>A A</p>	<p>CO 3 CO 3</p>
<p>13.</p>	<p>a). Write the procedure to find CNF of CFG and also determine an equivalent grammar in CNF for the grammar: $S \rightarrow bA/aB E$ $A \rightarrow bAA/aS/a$ $B \rightarrow aBB/bS/b$</p> <p style="text-align: center;">OR</p> <p>b).State the halting problem of TMs. Prove that the halting problem of TM over $\{0,1\}^*$ as unsolvable .</p>	<p>U U</p>	<p>CO 4 CO 4</p>
<p>14.</p>	<p>a). Convert the following grammar G into Greibach Normal Form $S \rightarrow XA \setminus BB$ $B \rightarrow b \setminus SB$ $X \rightarrow b$</p> <p style="text-align: center;">OR</p> <p>b).Explain in detail about the various programming techniques of Turing Machine with suitable egs?</p>	<p>A A</p>	<p>CO 4 CO 4</p>

15.	a). Construct the Turing machine for the language $L = \{1^n 0^n \mid n \geq 1\}$?		
	OR	A	CO 4
	b). Design a TM to accept the language $L = \{0^n 1^n \mid n \geq 1\}$ and simulate its action on the input 0011.	A	CO 4

PART C

(1 * 15 = 15)

16.	a) Convert the following CFG to PDA and analyze the answer (a+b) and a++. $I \rightarrow a b Ia Ib I0 I1$ $E \rightarrow I E+E E^*E (E)$		
	OR	A	CO3
	b). If L is a CFL then prove that there exists PDA M, such that $L = N(M)$, language accepted by empty stack .	A	CO3



CAT Coordinator



HOD/CSE

15/4/23

42	411521104048	Jitto M	M. Jitto	M. Jitto	M. Jitto	M. Jitto	M. Jitto	M. Jitto
43	411521104051	Karthi S	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi
44	411521104052	Karthika E	Karthika	Karthika	Karthika	Karthika	Karthika	Karthika
45	411521104053	Karthikeyan N	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan
46	411521104054	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S
47	411521104055	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V
48	411521104056	Keerthika M	(AB)	(AB)	(AB)	M. Keerthika	M. Keerthika	M. Keerthika
49	411521104057	Keerthivasan S	S. Keerthi	S. Keerthi	S. Keerthi	S. Keerthi	S. Keerthi	S. Keerthi
50	411521104058	Kowsalya B	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya
51	411521104059	Lakshmi Priya M	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya
52	411521104060	Lavanya B	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya
53	411521104301	Anitha M	OD	OD	OD	OD	OD	OD
54	411521104302	Arun	AB	AB	(AB)	AB	AB	AB
55	411521104303	Baskar C	OD	OD	OD	OD	OD	OD
56	411521104304	Christoper Daniel	(AB)	(AB)	(AB)	(AB)	(AB)	(AB)
57	411521104305	Dhivakar M	(AB)	(AB)	(AB)	(AB)	(AB)	(AB)
58	411521104306	Harish P	P. Harish	P. Harish	P. Harish	P. Harish	P. Harish	P. Harish
59	411521104309	MadanKishore	OD	OD	OD	OD	OD	OD
60	411521104311	Pradeep Raj	OD	OD	OD	OD	AB	OD
61	411521104312	Praveen V	OD	OD	OD	OD	OD	OD
62	411521104701	Mohamed sirajuddin	OD	OD	OD	OD	OD	OD
		P	53	54	54	54	5A	52
		A	05	05	05	4	6	
		OD	04		04	4	4	

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Signature
HSE

JAT

PERI INSTITUTE OF TECHNOLOGY										
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING										
CAT II-RESULT ANALYSIS										
CLASS / SEM: II CSE A / IV SEM			BATCH: 2021 - 2025							
S.NO	REG. NO.	NAME	CS3451 OS	CS3401 AL	CS3491 AIML	CS3452 TOC	CS3492 DBMS	GE3451 ESS	No. of Sub Absent	No. of Sub failed
1	411521104001	Abdul Majith A	66	30	56	50	10	40	1	4
2	411521104002	Abishekraj K B	27	56	56	29	56	65	3	5
3	411521104003	Abinash S	15	31	44	15	37	57	0	5
4	411521104004	Adnan Mohammed S	43	61	61	50	59	89	0	1
5	411521104005	Akash Jebaraj I	58	79	70	81	71	84	0	0
6	411521104006	Annamalai M	51	64	70	50	68	73	0	0
7	411521104007	Archana B	50	51	59	43	54	71	0	1
8	411521104008	Arokia Anushya A	7	56	3	12	56	16	2	6
9	411521104009	Arul Pandian P	53	51	67	62	56	70	1	1
10	411521104010	Ashwin V	51	60	61	56	71	66	1	1
11	411521104011	Bargavi A V	21	50	50	10	53	53	0	2
12	411521104012	Bhuvanesh G	56	33	24	12	11	56	2	6
13	411521104013	Chandrakala V	56	70	78	89	56	85	2	2
14	411521104015	Damodaren V	16	50	59	7	15	56	0	3
15	411521104016	Dayana M	16	19	56	7	25	56	2	6
16	411521104017	Deepak J	63	64	78	80	72	87	0	0
17	411521104018	Deepak Kumar K	43	51	53	17	36	68	0	3
18	411521104020	Deepan Chakkaravarthi K	47	50	60	22	45	63	0	3
19	411521104021	Devakumari S	57	41	68	58	70	77	0	1
20	411521104022	Devatharshini B	51	29	50	28	31	50	0	3
21	411521104023	Dhanush V	45	54	50	50	56	74	0	1
22	411521104025	Dharani T	47	33	58	61	41	51	0	3
23	411521104027	Dinesh Chaudhary D	37	12	59	61	50	60	0	2
24	411521104028	Dinesh Kumar L	41	38	41	6	22	59	0	5
25	411521104029	Dinesh Kumar M	31	21	52	8	20	18	0	5
26	411521104030	Dinesh Kumar S	63	64	69	65	54	75	0	0
28	411521104032	Elakiya K	21	6	33	5	11	15	0	6
29	411521104033	Elakya R	8	56	37	19	56	38	2	6
30	411521104035	Gayathri B	3	1	56	4	7	12	1	6
31	411521104036	Gokul D	57	76	72	60	71	91	0	0
32	411521104037	Gokul R	59	73	73	74	75	79	0	0
33	411521104038	Gowsalya D	0	0	10	0	56	19	1	6
34	411521104039	Guberan T	37	36	36	50	45	54	0	4
35	411521104040	Hari Krishnan U	50	54	51	27	50	69	0	1
36	411521104041	Harini M	58	70	59	53	59	75	0	0
37	411521104042	Harish S	40	29	50	13	36	32	0	5
38	411521104044	Ishasri P	OD	63	71	28	54	70	0	1
39	411521104045	Jagan M	50	50	69	30	56	74	0	1
40	411521104046	Jana R	44	51	51	16	1	9	0	4
41	411521104047	Jeffrin Nelson J	28	50	50	52	50	57	0	1
42	411521104048	Jitto M	22	56	56	21	56	11	3	6
43	411521104051	Karthi S	34	19	12	56	5	2	2	7
44	411521104052	Karthika E	35	50	60	56	50	66	0	1
45	411521104053	Karthikeyan N	27	36	61	39	29	30	0	5
46	411521104054	Kavitha S	18	15	17	56	17	56	2	6
47	411521104055	Kavitha V	28	31	31	15	35	13	0	6
48	411521104056	Keerthika M	26	50	44	56	27	56	1	4
49	411521104057	Keerthivasan S	44	60	58	50	54	68	0	1
50	411521104058	Kowsalya B	49	59	68	36	50	81	0	2
51	411521104059	Lakshmi Priya M	52	73	74	56	71	88	0	0

52	411521104060	Lavanya B	40	54	65	21	50	61	0	2	
53	LATERAL	Arun	62	59	56	40	35	81	0	2	
54	LATERAL	Christoper Danier	51	53	57	25	50	74	0	1	
55	LATERAL	Harish P	51	53	57	25	50	74	6	7	
56	LATERAL	Pradeep Raj	30	56	20	22	56	10	2	6	
57	LATERAL	Dhivakar M	54	34	68	21	22	66	0	3	
58	LATERAL	Mohamed sirajuddin	35	56	39	20	56	41	2	6	
59	LATERAL	Anitha M	12	12	7	4	12	16	0	6	
60	LATERAL	Baskar C	43	51	53	17	36	44	1	5	
61	LATERAL	Madan Kishore	47	50	60	22	45	56	6	9	
62	LATERAL	Praveen V	57	41	68	58	70	34	6	8	
Present			61	61	61	61	61	61	6		
Absent			0	0	0	0	0	0	6		
Passed			23	39	46	25	35	43	6		
Failed			37	22	15	36	26	18	6		
Pass Percentage(with Total Strength)			37.1	62.9	74.2	40.3	56.5	69.4	6		
Pass Percentage (with Absentees Count)			37.7	63.9	75.4	41	57.4	70.5	6		
No. Of Students Passed in all the Subjects			8								
Overall Pass %			11.94								

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HOD/CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
CAT – II Retest Time Table – April 2023

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
24.04.2023 (Monday)	CS3451- Introduction to Operating Systems	CS3451- Introduction to Operating Systems	CS8603 – Distributed System	CS8651 – Internet Programming	CS8080 – Information Retrieval Techniques	CS8080 – Information Retrieval Techniques
25.04.2023 (Tuesday)	CS3452- Theory of Computation	CS3452- Theory of Computation	CS8601 – Mobile Computing	CS8603 – Distributed System	GE8076 – Professional Ethics in Engineering	GE8076 – Professional Ethics in Engineering
26.04.2023 (Wednesday)	GE3451- Environmental Sciences and Sustainability	CS3492 – Database Management Systems	CS8651 – Internet Programming	CS8691 – Artificial Intelligence	-	-
27.04.2023 (Thursday)	CS3492 – Database Management Systems	CS3401- Algorithms	CS8602 – Compiler Design	CS8601 – Mobile Computing	-	-
28.04.2023 (Friday)	CS8491- Artificial Intelligence and Machine Learning	CS8491- Artificial Intelligence and Machine Learning	CS8691 – Artificial Intelligence	CS8602 – Compiler Design		
29.04.2023 (Saturday)	CS3401- Algorithms	GE3451- Environmental Sciences and Sustainability	CS8075 – Data Warehousing and Data Mining	CS8075 – Data Warehousing and Data Mining	-	-

CAT COORDINATOR
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VICE-PRINCIPAL
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PRINCIPAL
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PERI Institute of Technology
Academic Year 2022 – 2023 (EVEN Semester)
Department of Computer Science Engineering

PERI / 2022 –23 / Even / CSE / 08

Date: 25.4.23

CIRCULAR

All students are informed that the **Model examination** will be conducted from **2th May 2023 to 19th May 2023**.

Important Note to students:

- ❖ For each subject coaching will be conducted as per the schedule and at the **fourth day afternoon session Model exam** will be conducted.
- ❖ Coaching will be conducted in the morning Session at **8.30-10.30am followed by revision test at 10:45-11:45 am** and Coaching will be conducted in the **Afternoon session from 12:30-2:30PM followed by revision test at 2:45-3:45 .**
- ❖ The students must be present in the class before 8.30AM
- ❖ Late comers will not be strictly allowed to write the test.
- ❖ The students must bring their required stationeries
- ❖ The students are instructed to write their name and register number correctly in the answer sheet.
- ❖ The portion for model exam will be **units 1 to 5**.

Encl: Model (TT)


CAT EXAM CO-ORDINATOR


HOD/CSE

PERI INSTITUTE OF TECHNOLOGY
COACHING CLASS PLAN (2022-203 EVEN SEM)

Date/Hours	II A		II B		III A		III B		IV A&B	
2-May-23	AIML	DBMS	AL	AIML	AI	DS	DWDM	IP		
3-May-23	DBMS	AIML	AIML	AL	DS	AI	IP	DWDM		
5-May-23	AIML	DBMS	AL	AIML	AI	DS	DWDM	IP		
6-May-23	DBMS	DBMS Model	AIML	AIML Model	DS	DS Model	IP	IP Model		
8-May-23	AIML	AIML Model	AL	AL Model	AI	AI Model	DWDM	DWDM Model		
9-May-23	OS	TOC	TOC	DBMS	MC	DWDM	CD	MC	IRT	PE
10-May-23	TOC	OS	DBMS	TOC	DWDM	MC	MC	CD	PE	IRT
11-May-23	OS	TOC	TOC	DBMS	MC	DWDM	CD	MC	IRT	PE
12-May-23	OS	OS Model	TOC	TOC Model	DWDM	DWDM Model	MC	MC Model	PE	PE MODEL
13-May-23	TOC	TOC Model	DBMS	DBMS Model	MC	MC Model	CD	CD Model	IRT	IRT MODEL
16-May-23	ESS	AL	OS	ESS	IP	CD	DS	AI		
17-May-23	AL	ESS	ESS	OSM	CD	IP	AI	DS		
18-May-23	ESS	ESS Model	OS	OS Model	IP	IP Model	DS	DS Model		
19-May-23	AL	AL Model	ESS	ESS Model	CD	CD Model	AI	AI Model		


CAT
 Coordinator


HOD/CSE

5.5.23 6.5.23 12.5.23

36	411521104041	Harini M	Mk. Harini	Mk. Harini	Mk. Harini	Mk. Harini	Mk. Harini	Mk. Harini
37	411521104042	Harish S	Harish S	Harish S	Harish S	Harish S	Harish S	Harish S
38	411521104044	Ishasri P	Ishasri P	Ishasri P	Ishasri P	Ishasri P	Ishasri P	Ishasri P
39	411521104045	Jagan M	M. Jagan	M. Jagan	M. Jagan	M. Jagan	M. Jagan	M. Jagan
40	411521104046	Jana R	R. Jana	R. Jana	R. Jana	R. Jana	R. Jana	R. Jana
41	411521104047	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J	Jeffrin Nelson J
42	411521104048	Jitto M	M. Jitto	M. Jitto	M. Jitto	M. Jitto	M. Jitto	M. Jitto
43	411521104051	Karthi S	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi
44	411521104052	Karthika E	Karthika E	Karthika E	Karthika E	Karthika E	Karthika E	Karthika E
45	411521104053	Karthikeyan N	AB	AB	Karthikeyan N	Karthikeyan N	Karthikeyan N	Karthikeyan N
46	411521104054	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S	Kavitha S
47	411521104055	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V	Kavitha V
48	411521104056	Keerthika M	M. Keerthika	M. Keerthika	M. Keerthika			M. Keerthika
49	411521104057	Keertivasan S	S. Ke	S. Ke	S. Ke	S. Ke	S. Ke	S. Ke
50	411521104058	Kowsalya B	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya	B. Kowsalya
51	411521104059	Lakshmi Priya M	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya	M. Lakshmi Priya
52	411521104060	Lavanya B	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya	B. Lavanya
53	411521104301	Anitha M	OD	OD	OD	OD	OD	OD
54	411521104302	Arun U	AB	AB	AB	AB	AB	AB
55	411521104303	Baskar C	OD	OD	OD	OD	OD	OD
56	411521104304	Christoper Danier	AB	AB	AB	AB		
57	411521104305	Dhivakar M	AB	AB				
58	411521104306	Harish p	AB	P. Harish	P. Harish	P. Harish	AB	P. Harish
59	411521104309	Madhan Kishore M	OD	OD	OD	OD	OD	OD
60	411521104311	Pradeep Raj	AB	AB		AB	AB	AB
61	411521104312	Praveen V	OD	OD	OD	OD	OD	OD
62	411521104701	Mohamed sirajuddin	Siraj		Siraj	Siraj	Siraj	Siraj

AP
M. S. ESE

PERI INSTITUTE OF TECHNOLOGY										
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING										
MODEL EXAM RESULT ANALYSIS										
CLASS / SEM: II CSE A / IV SEM			BATCH: 2021 - 2025							
S.NO	REG. NO.	NAME	CS3451 OS	CS3401 AL	CS3491 AIML	CS3452 TOC	CS3492 DBMS	GE3451 ESS	No. of Sub Absent	No. of Sub failed
1	411521104001	Abdul Majith A	28	38	5	50	50	A	1	4
2	411521104002	Abishekraj K B	50	37	15	63	53	8	0	3
3	411521104003	Abinash S	60	73	29	82	58	24	0	2
4	411521104004	Adnan Mohammed S	36	39	0	65	55	9	0	4
5	411521104005	Akash Jebaraj I	30	54	19	87	29	16	0	4
6	411521104006	Annamalai M	53	30	21	63	29	50	0	3
7	411521104007	Archana B	64	74	44	80	65	70	0	1
8	411521104008	Arokia Anushya A	53	56	0	70	37	A	1	3
9	411521104009	Arul Pandian P	5	32	10	63	32	14	0	5
10	411521104010	Ashwin V	18	8	10	63	9	7	0	5
11	411521104011	Bargavi A V	50	54	19	67	53	37	0	2
12	411521104012	Bhuvanesh G	19	A	12	50	1	14	1	5
13	411521104013	Chandrakala V	63	76	0	66	63	60	0	1
14	411521104015	Damodaren V	14	A	0	58	51	19	1	4
15	411521104016	Dayana M	58	78	17	87	60	75	0	1
16	411521104017	Deepak J	3	12	12	62	19	10	0	5
17	411521104018	Deepak Kumar K	3	42	6	69	29	8	0	5
18	411521104020	Deepan Chakkaravarthi K	7	61	8	A	14	3	1	5
19	411521104021	Devakumari S	A	A	0	A	A	A	5	6
20	411521104022	Devatharshini B	50	62	4	86	50	A	1	2
21	411521104023	Dhanush V	17	52	6	80	50	A	1	3
22	411521104025	Dharani T	43	65	17	78	50	63	0	2
23	411521104027	Dinesh Chaudhary D	50	47	0	71	50	OD	0	2
24	411521104028	Dinesh Kumar L	10	25	10	43	23	51	0	5
25	411521104029	Dinesh Kumar M	12	35	4	66	32	13	0	5
26	411521104030	Dinesh Kumar S	6	30	4	37	15	6	0	6
28	411521104032	Elakiya K	58	58	4	A	10	27	1	4
29	411521104033	Elakya R	56	71	1	90	58	64	0	1
30	411521104035	Gayathri B	54	A	30	83	53	41	1	3
31	411521104036	Gokul D	32	34	8	78	51	21	0	4
32	411521104037	Gokul R	35	50	10	74	50	13	0	3
33	411521104038	Gowsalya D	A	A	38	91	67	56	2	3
34	411521104039	Guberan T	40	35	19	70	56	51	0	3
35	411521104040	Hari Krishnan U	16	30	10	64	55	32	0	4
36	411521104041	Harini M	51	47	41	74	53	54	0	2
37	411521104042	Harish S	60	25	18	45	25	50	0	4
38	411521104044	Ishasri P	63	58	6	78	44	55	0	2
39	411521104045	Jagan M	3	8	0	20	15	14	0	6
40	411521104046	Jana R	5	43	35	37	30	38	0	6
41	411521104047	Jeffrin Nelson J	4	16	1	39	11	10	0	6
42	411521104048	Jitto M	1	11	33	16	32	30	0	6
43	411521104051	Karthi S	2	6	22	16	10	24	0	6
44	411521104052	Karthika E	59	57	4	82	55	15	0	2
45	411521104053	Karthikeyan N	13	19	0	21	51	14	0	5
46	411521104054	Kavitha S	60	56	5	74	67	62	0	1
47	411521104055	Kavitha V	60	64	0	82	66	51	0	1
48	411521104056	Keerthika M	A	A	6	67	A	28	3	5
49	411521104057	Keerthivasan S	15	48	0	65	41	6	0	5
50	411521104058	Kowsalya B	39	38	0	60	50	11	0	4
51	411521104059	Lakshmi Priya M	29	7	0	44	56	6	0	5

52	411521104060	Lavanya B	52	55	0	84	57	81	0	1
53	LATERAL	Arun	A	A	A	A	A	A	6	6
54	LATERAL	Christoper Danier	A	A	A	6	A	3	4	6
55	LATERAL	Harish P	2	4	0	22	14	1	0	6
56	LATERAL	Pradeep Raj	1	3	0	24	14	A	1	6
57	LATERAL	Dhivakar M	A	0	A	3	2	A	3	6
58	LATERAL	Mohamed sirajuddin	33	52	3	46	50	9	0	4
59	LATERAL	Anitha M	A	A	A	A	A	A	6	6
60	LATERAL	Baskar C	A	A	A	A	A	A	6	6
61	LATERAL	Madan Kishore	A	A	A	A	A	A	6	6
62	LATERAL	Praveen V	A	A	A	A	A	A	6	6

Present	51	49	54	53	53	49
Absent	10	12	7	8	8	12
Passed	20	20	0	38	29	15
Failed	31	29	54	15	24	33
Pass Percentage(with Total Strength)	32.3	32.3	34.2	61.3	46.8	24.2
Pass Percentage (with Absentees Count)	39.2	40.8	43.2	71.7	54.7	30.6
No. Of Students Passed in all the Subjects	9					
Overall Pass %	13.43					

[Handwritten Signature]
 HOD/SE

Reg.No

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PERI
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SET B

Model Exam–May 2023

CS3492-DATABASE MANAGEMENT SYSTEMS

Year/Sem/Sec	: II/IV /A	Date	: 05/05/2023
Department	: CSE	Duration	: 3 hours
Faculty	: Mrs.R.SAVITHIRI	Max. Marks	: 100

PART A (10 x 2= 20)

1.	What are main differences between file processing system and a DBMS	U	CO 1
2.	Name the categories of SQL commands	R	CO 1
3.	Define functional dependency.	R	CO 2
4.	Define normalization.	R	CO 2
5.	Define two phase locking.	R	CO 3
6.	List four conditions for deadlock.	R	CO 3
7.	When is it preferable to use a dense index rather than a sparse index. Explain	A	CO 4
8.	What is query execution plan?	R	CO 4
9.	What is replication?	U	CO5
10.	List the categories of NOSQL systems.	R	CO5

PART B (5x13=65)

11.	A)With the help of a neat block diagram explain basic architecture of a database management system. (OR)	R	CO 1
	B) What is embedded SQL ? Give an example	R	CO 1
12.	A) Consider the relation schema given in Figure. Design and draw an ER diagram that capture the information of this schema. Employee(empno,name,office,age) Books(isbn,title,authors,publisher) Loan(empno,isbn,date) (OR)	A	CO 2
	B) Construct an E-R diagram for a car insurance company whose customers ownone or more cars each.Each car has associated with it zero to any number of recordedaccidents. Each insurance policy covers one or more cars and has one or more premiumpayments associated with it. Each payment is for particular period of time and has anassociated due date and date when the payment was received.	A	CO 2
13.	A) Explain with an example the properties that must be satisfied by transaction. (OR)	R	CO 3
	B) i) During execution , a transaction passes through several states, until it finally commits or aborts. List all possible sequences of states through which transaction may pass.Explain why each state transaction may occur? (7 Marks) ii) Define transaction .Then discuss the following with	U	CO 3

	relevant examples : 1) A read only transaction 2) A read write transaction 3) An aborted transaction (6 Marks)		
14.	A) Construct B + tree for the following set of key values (2, 3, 5, 7, 11, 17, 19, 23, 29, 31). Assume that the tree is initially empty & values are added in ascending order. Construct B+ tree for the cases where the number of pointers that fit one node is four. After creation of B+ tree perform following series of operations: a) insert 9 b) insert 10 c) insert 8 d) delete 23 e) delete 19 (OR)	A	CO 4
	B) The following key values are organized in an extendible hashing technique. 1 3 5 8 9 12 17 28. Show the extendible hash structure for this file if the hash function is $h(x)=x \text{ mod } 8$ & buckets can hold three records. Show how extendible hash structure changes as the result of each of the following steps: insert 2, insert 24, delete 5, delete 12	A	CO 4
15.	A) Explain various encryption & public key infrastructure in detail. (OR)	R	CO 5
	B) What is mean by SQL injection? Explain various Injection methods in detail.	R	CO 5

PART C (1 x15=15)

16.	A) Explain i) Types of security. (6 marks) ii) Control measures. (6 marks) iii) DB security & the DBA. (3 marks) (OR)	R	CO 5
	C) Write about document based NOSQL systems & MongoDB in detail.	R	CO5

CAT Coordinator

HOD/CSE

EVEN SEMESTER 2022 – 2023
Class Committee Meeting Circular

Batch: B.E CSE (2021 – 2025)

Chairperson: Mr. Vijayanarayanan

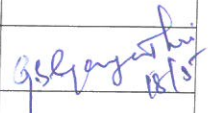
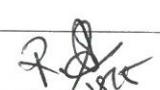
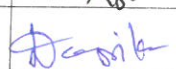
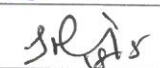
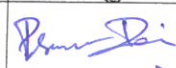
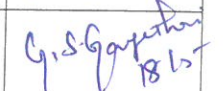

Date: 15.05.2023

Year/Sem/Sec: II/ IV / 'A'

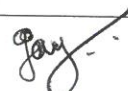
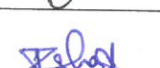
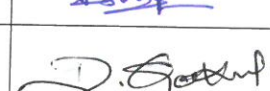
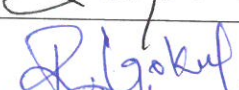
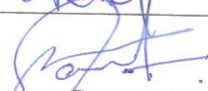
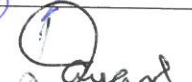
H.O.D – Mrs.K.Varalakshmi

The third class committee meeting for II year CSE 'A' for the academic year 2022-2023 (Even semester) will be held on 18.05.2023 at 2pm in IQAC room in the presence of HOD of CSE, IQAC coordinator, subject handling faculty members and selected students. All the members are requested to attend the meeting to improve the effectiveness of teaching-learning process.

Subject Handling Faculty Members:

Sl.No	Subject Code	Subject Name	Staff Name	Signature
1	CS3452	Theory of Computation	Mrs.G.S.Gayathri	
2	CS8491	Artificial Intelligence and Machine Learning	New Faculty	
3	CS3492	Database Management Systems	Mrs.R.Savithiri	
4	CS3401	Algorithms	Mrs.H .Deepika	
5	CS3451	Introduction to Operating Systems	Mr.S.RNobleLourdhu Raj	
6	GE3451	Environmental Sciences and Sustainability	Mrs. P. Prasanna Devi	
7	CS3461	Operating Systems Laboratory	Mrs.G.S.Gayathri	
8	CS3481	Database Management Systems Laboratory	Mrs.R.Savithiri	

Student Members

S.No	Student Name	Signature
1	B.Gayathri	
2	P.Ishasri	
3	D.Gokul	
4	R.Gokul	
5	P.Arul Pandian	
6	M.Dayana	


Chairperson
HOD-CSE

Batch: B.E CSE (2021 – 2025)

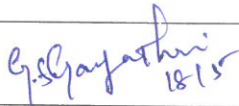



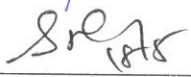
Chairperson: Mr. Vijayanarayanan

Year/Sem/Sec: II/ IV / 'A'

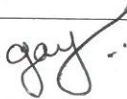
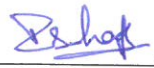


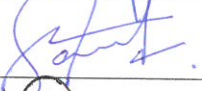

H.O.D – Mrs.K.Varalakshmi

Attendance sheet for the Class committee meeting held on 18.05.2023 at 2pm

Staff Members:

Sl.No	Staff Name	Signature
1	Mrs.G.S.Gayathri	
2	Mrs. P. Prasanna Devi	
3	Mrs.R.Savithiri	
4	Mrs.H .Deepika	
5	Mr.S.RNobleLourdhu Raj	

Student Members

S.No	Student Name	Signature
1	B.Gayathri	
2	P.Ishasri	
3	D.Gokul	
4	R.Gokul	
5	P.Arul Pandian	
6	M.Dayana	


Chairperson
HOD-CSE

Batch: B.E CSE (2021 – 2025)

Year/Sem/Sec: II/ IV / 'A'

Chairperson: Mr. Vijayanarayanan

H.O.D – Mrs.K.Varalakshmi

Syllabus Completion

Sl.No	Subject Code	Subject Name	Completion Status
1	CS3452	Theory of Computation	Completed 5 units
2	CS8491	Artificial Intelligence and Machine Learning	Completed 5 units
3	CS3492	Database Management Systems	Completed 5 units
4	CS3401	Algorithms	Completed 5 units
5	CS3451	Introduction to Operating Systems	Completed 5 units
6	GE3451	Environmental Sciences and Sustainability	Completed 5 units

The following points were discussed during the Class Committee Meeting for
II CSE A Held on 18.05.2023 at 2pm

S.No	Points Discussed	Action Taken
1	Individual staff -portion completion	The Syllabus completion copy has been attached. – all 5 units
2	TOC	The staff provided PPT & hand written Notes of all units
3	Artificial Intelligence and Machine Learning	Satisfied with the teaching methods. All units revision scheduled as the students requested
4	DBMS – Notes not given and need more explanation about diagrams	Satisfied with the teaching methods. Notes material given
5	Algorithms	Satisfied with the teaching methods, All units revision scheduled as the students requested
6	Operating System	Satisfied with the teaching methods.
7	EVS	Requested for extra classes. Conveyed to staff and has been followed
General		
8	Discussed regarding importance of model examinations. and also discussed about their university result improvement	
9	Increasing class Attendance percentage. Advised to attend classes regularly and improve attendance percentage and also not to come late	
10	Timing not Sufficient for writing Revision Test and Can be combined as 1 exam per day for 2 Units. Students requested for more time to study	
11	Lab Experiments. Students were asked to complete all the lab experiments with in the time period and attend their university lab within their commencement time. without any mall practice and come with lab observation and record	
12	Discussed regarding the importance of attending revision classes and unit wise test. Students must not take leave during revision classes, Unit wise test and model exam.(Will be useful for University Exams)	



Chairperson