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Department of Artificial Intelligence & Machine Learning

Ref.No:CEC/AIML/C2/ACY-2023-24/IAT-III/01

Circular

This is to notify that 3^{rd} Internals of 8^{th} semester will be conducted on 18/04/2024

10.30am-12.00pm -18AI81-Neural Networks and Deep Learning

2.30pm-4.00pm-18AI824- Modern Information Retrieval







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Department of Artificial Intelligence & Machine Learning

FACULTY DUTY ALLOTMENT

INTERNAL ASSESSMENT -3 SEM-8th							
Sl.No	NAME OF THE	18-04-2024 Thursday	18-04-2024 Thursday				
	FACULTY	10.30am-12:00PM	2:30PM-4:00PM				
1	Ms.Vindhya	-	C201				

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Department of Artificial Intelligence & Machine Learning

8th semester 3rd Internal Time Table

18/04/2024	10.30am-12.00pm	2.30pm-4.00pm
Subject Code	18AI81	18AI824

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Department Of Artificial Intelligence & Machine Learning

8th Semester 3rd IA Attendance

18/04/2024

SL. NO	USN	NAME OF THE STUDENT	Signature
1	1CE20AI001	ABDUL FAHEEM	N. Fer
2	1CE20AI002	HAJIRA AHMED	Hair.
3	1CE20AI003	KEDAR JOSHI	Die:
4	1CE20AI004	KOKILA K R	161
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Department of Artificial Intelligence and Machine Learning INTERNAL TEST 2

Course: Modern Information Retrieval

Max. Marks: 50

Course Code: 18AI824

Sem: VIII Sem Time: 2:30 PM to 4 PM

Date: 18/04/2024

Q#	Question			
	95 (2004)	Marks	CO	B
1	PART A			
	What is a query language in the context of information retrieval? Briefly discuss the key components of a query language for information retrieval systems.	10 M	10 M CO3	
2	OR			
	Illustrate Word Sense Disambiguation (WSD)? With an example, explain the various techniques to handle WSD	10 M	CO3	L2
	PART B		-	
3	Explain i) 4 types of keyword-based querying ii) Single-word queries, context queries, and Boolean queries with examples	10 M	CO3	L2
4	OR	V	L	
	Explain the three uses of user relevance feedback and differentiate between Global and local analysis.	10 M	CO3	L2
				1 - 5 - 5 - 5 - 5
5	Classify 3 main structural queries and explain in detail about fixed structure and hierarchical structure	10 M	CO3	L2
	OR			-
6	Explain Query expansion system reweighting for the vector model & term reweighting for the probability model.	10 M	CO3	L2
	PART D			
	What are text operations? Explain with a neat diagram			
7	document the preprocessing stages.	10 M	CO4	L1
	OR		L	
8	Explain brief about Query expansion based on similarity thesaurus and explain pattern-matching words, prefixes, substrings, and regular expressions.	10 M	CO4	L2
	PART E			
9	i) What is an Index and list how the efficiency of an Information retrieval System depends on indexing	10 M	CO4	L2
	ii) With a neat diagram example explain in detail the Inverted Index(Basic)			
	OR			
	Outline with a neat diagram example explain in detail the Full Inverted Index	10 M	CO4	L2

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Subject Martificial Intelligence



CITY ENGINEERING COLLEGE DEPARTMENT OF ARTIFICIAL INTELLIGENCE

AND MACHINE LEARNING ENGINEERING

SCHEME FOR EVALUATION

CIE TEST-I

SEMESTER &SECTION: VIII Modern Information Retrieval

Subject Code: 18Al824

Q. N o	Details of the Answer	Marks Distributio	Total mark s
1	What is a query language in the context of information retrieval? Briefly discuss the key components of a query language for information retrieval systems.		10
	 Text retrieval systems can answer various types of queries depending on the retrieval model adopted. Full-text systems may not answer the same queries as those based on keyword ranking or hypertext models. Some query languages are not intended for final users and can be used by higher-level software packages to query databases or CD-ROM archives. 	Each 5 marks	
	 Most query languages use content and syntax to find relevant documents, but may fail to find relevant answers. Techniques to enhance query usefulness include expanding words to synonyms, using a thesaurus, and removing stopwords. 		
	• The retrieval unit, which can be a file, document, web page, paragraph, or other structural unit, is another aspect of the system's approach.		
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2.	Illustrate Word Sense Disambiguation (WSD)? With an example, explain the various techniques to handle WSD		
	Word Sense Disambiguation (WSD) is the process of determining the correct meaningor sense of a word hased on the context in which it are	Definition 2 marks	10 marks
	based on the context in which it appears. In the context of Information Retrieval (IR), WSD is important because it helps improve the accuracy of search results by ensuring that the retrieved documents are relevant to the user's query.	Explanatio n 8 marks	
	 Machine Translation Information Retrieval (IR Text Mining and Information Extraction (IE Lexicography - WSD 		
3.	Explain 1) 4 types of keyword-based querying ii) Single-word queries, context queries, and Boolean queries with examples		
	Single-word queries		
	Text retrieval systems typically search for words, which are long sequences of letters. Most models allow us to view text in this perspective and search words, with some models also allowing for internal division into letters.	Each 2 marks and Examples 2 marks	10 marks
	The set of words retrieved can be used for word-treating purposes, such as thesaurus expansion or ranking purposes. Words carry significant meaning in natural language, so many models are structured around words.		
	Word queries result in documents containing at least one word of the query, and ranked based on similarity to the query. Common statistics on word occurrences are used to support ranking.		
	Context queries Phrase is a sequence of single-word queries. An occurrence of the phrase is a sequence of words. For instance, it is possible to search for the word 'enhance,' and then for the word 'retrieval.'		
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	Fixed structure ATTESTE	O COPY	
5.	 Expanding the original query with new terms, And reweighting the terms in the expanded query. everal of approaches available for improving the initial query formulation through query expansion and term reweighting. These approaches are grouped in three categories: Approaches based on feedback information from the user; Approaches based on information derived from the set of documents initially retrieved (called the local set of documents); 	Each 3 marks definition 1 mark	10 marks
	Classify 3 main structural queries and explain in detail about fixed structure and hierarchical structure		
	The main idea consists of selecting important terms, or expressions, attached to the documents that have been identified as relevant by the user, and of enhancing the importance of these terms in a new query formulation. (a) expand queries with the vector model, (b) reweight query terms with the probabilistic model, and (c) reweight query terms with a variant of the probabilistic model.	8 marks	
4.	Explain the three uses of user relevance feedback and differentiate between Global and local analysis. Differentiation between Global and local	2marks	10 marks
70	Boolean queries The oldest (and still heavily used) form of combining keyword queries is to use Boolean operators. A Boolean query has a syntax composed of atoms (i.e., basic queries) that retrieve documents, and of Boolean operators that work on their operands (which are sets of documents) and deliver sets of documents.		



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Hierarchical structure

- .Explain Query expansion system reweighting for the vector 6. model & term reweighting for the probability model.
 - , Dr: set of relevant documents, as identified by the user, among the retrieved documents;

Dn: set of non-relevant documents among the retrieved documents; Cr: set of relevant documents among all documents in the collection:

|Dr|, |Dn|, |Cr|: number of documents in the sets Dr, Dn, Crrespectively;

 α , β , γ : tuning constants.

Consider first the unrealistic situation in which the complete set Cr of relevant documents to a given query q is known in advance.

Model explanatio n 4 marks each

10 marks

$$\vec{q}_{opt} = \frac{1}{|\vec{C_r}|} \sum_{\forall \vec{d_j} \in C_r} \vec{d_j} - \frac{1}{N - |C_r|} \sum_{\forall \vec{d_j} \notin C_r} \vec{d_j}$$

$$(1)$$

$$Standard_Rochia: \quad \vec{q}_m = \alpha \ \vec{q} \ + \ \frac{\beta}{|D_r|} \sum_{\forall \vec{d_j} \in D_r} \vec{d_j} \ - \ \frac{\gamma}{|D_n|} \sum_{\forall \vec{d_i} \in D_n} \vec{d_j}$$

Ide_Regular:
$$\vec{q}_m = \alpha \vec{q} + \beta \sum_{\forall \vec{d}_i \in D_c} \vec{d}_j - \gamma \sum_{\forall \vec{d}_i \in D_c} \vec{d}_j$$

Ide_Regular:
$$\vec{q}_m = \alpha \vec{q} + \beta \sum_{\forall \vec{d}_j \in D_r} \vec{d}_j - \gamma \sum_{\forall \vec{d}_j \in D_n} \vec{d}_j$$

Ide_Dec_Hi: $\vec{q}_m = \alpha \vec{q} + \beta \sum_{\forall \vec{d}_j \in D_r} \vec{d}_j - \gamma \max_{non-relevant} (\vec{d}_j)$

Term Reweighting for the Probabilistic Model

$$sim(d_j,q) \alpha \sum_{i=1}^{\ell} w_{i,q} w_{i,j} \left(\log \frac{P(k_i|R)}{1 - P(k_i|R)} + \log \frac{1 - P(k_i|\overline{R})}{P(k_i|\overline{R})} \right)$$
[2]

What are text operations? Explain with a neat diagram document the preprocessing stages.

7.

Diagram 2 marks

10

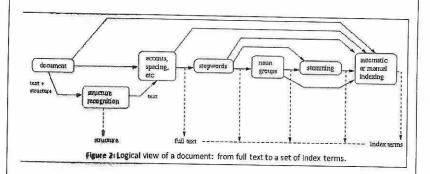
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PRINCIPAL CITY ENGINEERING COLLEGE Kanakapura Main Read, BANGALORE - 560 861 Document Preprocessing

Document preprocessing is a procedure which can be divided mainly into five text operations (or transformations) (as shown in figure 2):

Each step – 2 marks

- 1. Lexical analysis
- 2. Elimination of stop words.
- 3. Stemming of the remaining
- 4. Selection of index terms
- 5. Construction of term categorization



8. Explain brief about Query expansion based on similarity thesaurus and explain pattern-matching words, prefixes, suffixes, substrings, and regular expressions.

Each 2 marks 10

Pattern Matching:

- Words
- Prefixes
- Suffixes A string which must form the termination of a text word. For instance, given the suffix `tars' all the documents containing words such as 'computers.' testers, painters,' etc. are retrieved.
- Substrings
- Ranges
- Regular expressions some text retrieval systems allow searching for regular expressions.

i) What is an Index and list how the efficiency of an Information retrieval System depends on indexing.
With a neat diagram example explain in detail the Inverted Index(Basic)

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Index is a data structure built from the text to speed up the searches.

Diagram-2marks

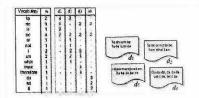
In the context of an information retrieval system that uses an index, the efficiency of the system can be measured

Each -2 marks

- Indexing time
- Indexing space:
- Index storage:
- Query latency:

 Query throughput:

Inverted Index



Outline with a neat diagram example explain in detail the Full Inverted index

Diagram-2marks

Each -2 marks

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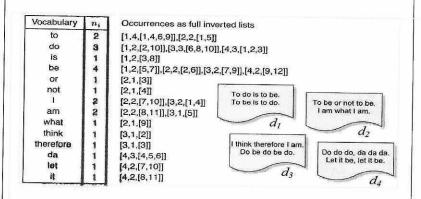


Figure 5: Full Inverted Index

The space required for the vocabulary is rather small Heaps' law: the vocabulary grows as $O(n\beta)$, where

- n is the collection size.
- β is a collection-dependent

The occurrences demand much more space the extra space will be O(n) and is around.

40% of the text size

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Branch: AI

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2	1CE20AI002	40	
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Department of Computer Science and Engineering

Circular

This is to notify that 3rd Internals of 8th semester will be conducted on 18/04/2024 10.30am-12.00pm -18CS81 (Internet of Things) 2.30pm-4.00pm-18CS822 (Storage Area Network)

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Doddakallasandra, Kanakapura Road, Bengaluru 560062

Department of Computer Science and Engineering

8th semester 3rd Internal Time Table

18/04/2024	10.00	
	10.30am-12.00pm	2.30pm-4.00pm
Subject Code	18CS81	18CS822

Bengaluru-6

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Department Of Computer Science and Engineering 8th SEM 3RD IA FACULTY DUTY ALLOTMENT 18-04-2024 NAME OF THE 18-04-2024 SI.No Thursday **FACULTY** Thursday 10.30am-12:00PM 2:30PM-4:00PM Mrs. Shruthi B S 1 C201 Mrs. Swetha A 2 C202 Mrs. Vibhavi R N 3 C203 4 Ms. Shravya S C201 5 Mr. John Peter C202 Mrs. Nayana R K 6 C203



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CITY ENGINEERI BUILDING ST



Doddakallasandra, Bangalore – 560 062

Room Allotment for 2nd Internal Test_ UG – 8 th Semester _ 18th April 2024

ROOM NO:- CS-401

Seat No.	8 SEM CS A	Seat	8 SEM CS A	Seat	8 SEM CS A	Seat	8 SEM CS A		8 SEM CS A		0.003.00
No.	USN	No.	USN	No.	USN	No.		Seat No.	O SEM CS A	Seat No.	8 SEM CS A
7	1CE20CS001						USN		USN		USN
-		2	1CE20CS007	13	1CE20CS013	14	1CE20CS021	25	1CE20CS029		1CE20CS033
3	1CE20CS002	4	1CE20CS008	7944	1CE20CS014			20		26	1012003033
		T		15	1002005014	16	1CE20CS024	27	1CE20CS030	28	1CE20CS034
5	1CE20CS003	6	1CE20CS009	17	1CE20CS016		1053000005	1000		20	
	1052000001			17	1012005010	18	1CE20CS025	29	1CE20CS031	30	1CE20CS035
7	1CE20CS004	8	1CE20CS010	19	1CE20CS017	20	1CE20CS026				
9	1CE20CS005		1052000014	200,000		20	1022003020				
9	1012003003	10	1CE20CS011	21	1CE20CS018	22	1CE20CS027				
11	1CE20CS006		1CE20CS012	-	10-00-						
		12	1012003012	23	1CE20CS019	24	1CE20CS028				

ROOM NO:- CS-402

Seat No.	8 SEM CS A	Seat	8 SEM CS A	Seat	8 SEM CS B		8 SEM CS B		8 SEM CS B	T	8 SEM CS B
No.	USN	No.	USN	No. USN Seat No. USN	****	Seat No.		Seat No.	o SEM CS B		
	1052000000		SOMEONE STATE		OSM		USN	140.	USN		USN
1	1CE20CS036	2	1CE20CS062	13	1CE20CS015	14	1CE20CS045	25	1CE20CS052		SWSESW
3	1CE20CS037	4	1CE20CS069	15	1CE20CS032		1.0520.052.14	23		26	1CE20CS055
-	1.0500.0500	-		15	1012003032	16	1CE20CS046	27	1CE20CS053	28	1CE20CS056
5	1CE20CS038	6	1CE20CS071	17	1CE20CS041	18	1CE20CS048		1CE20CS054	-	
7	1CE20CS039	++	1CE20CS079					29	1012003034	30	1CE20CS057
150		8	1012003079	19	1CE20CS042	20	1CE20CS049			1	
9	1CE20CS040	10	1CE20CS081	21	1CE20CS043	22	1CE20CS050				
11	1CE20CS047		1.05000000			44	-022003030				
11	1012003047	12	1CE20CS085	23	1CE20CS044	24	10E20CS051				

Page 1 of 2

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DOONE	BTO	CS-403
KURDIVI	N C D ·	CC 100
-10 O 1/1	110	C3-4113
	- Christy Segment act	

Seat No.	8 SEM CS B	Seat	8 SEM CS B		8 SEM CS B		8 SEM CS B			
	USN	No.	USN	Seat No.		Seat	O DEM CS B	Seat	8 SEM CS B	
1	1CE20CS058		1-2-15-10-10-10-10-10-10-10-10-10-10-10-10-10-		USN	Mo.	USN	No.	USN	
1		2	1CE20CS066	13	1CE20CS075		1CE20CS083			
3	1CE20CS059	4	1CE20CS068			14	1012003083	25	1CE20CS090	
	1CE20CS060	1		15	1CE20CS076	16	1CE20CS084	26	1CE20CS091	
5	TCL20CS060	6	1CE20CS070	17	1CE20CS077		1CE20CS086		55 Vie (18)	9
7	1CE20CS061	8	1CE20CS072			18	1012003086	27	1CE20CS036	
	1.00	8	1012003072	19	1CE20CS078	20	1CE20CS087			
9	1CE20CS063	10	1CE20CS073	21	1CE20CS080		10500			
.1	1CE20CS065		105000	41		22	1CE20CS088			
		12	1CE20CS074	23	1CE20CS082	24	1CE20CS089			



Principal

PRINCIPAL
CITY ENGINEERING COLLEGE
Kanakapura Main Road, Bangalow



COMPUTER SCIENCE & ENGINEERING

VIII SEMESTER- SECTION: A III INTERNAL TEST

ROOM No:C-

		DATE/SUBJI	ECT CODES
Sl.		18-04-	
No.	USN	Morning	Afternoon
		18 ** 81	18 ** 82*
1	1CE20CS001	(ghaylga)	(g) and ga
2	1CE20CS002	Ablanen.	Ab
3	1CE20CS003	Abrighele	Alhishus
4	1CE20CS004	Adoh.	
5	1CE20CS005	GOW.	dith
6	1CE20CS006	Amars	Mount
7	1CE20CS007	Did.	Siel
8	1CE20CS@08	Absent	Ab
9	1CE20CS009	ach ti	Mui Aris
10	1CE20CS010	Absent.	Str. oplume
11	1CE20CS011	Anand.M	Anand M
12	1CE20CS012	A :- anta Bic	diarya. B. C
13	1CE20CS013	dranya	dranga
14	1CE20CS014	Amuadhi .	Jennach.
15	1CE20CS016		4
16	1CE20CS017	Astha.	Astha
17	1CE20CS018	B. Dhellich bu.	75. Allianil.
18	1CE20CS019	that	that
19	1CE20CS021	dun.	Durch
20	1CE20CS024		Ab
21	1CE20CS025	Deckship	Ab
22	1CE20CS026	Bujar	Ab
23	1CE20CS027	Dupins	Dupan
24	1CE20CS028 <	Dear this	(Leephy)
25	1CE20CS029	Though	Ab
26	1CE20CS030	Plingabra 3	Dingashree. S
27	1CE20CS031	Crode	Ab
28	1CE20CS033	Courest Vilyve	Ganesh. V. j. Mr.
29	1CE20CS034	Garage Ce	(g) Parja
30	1CE20CS035	Gorthang-V	Gordhand.v.
	No. of Students Present	29	22
	No. of Students Absent	02	. 8
	Staff Signature	W.	- Haves



PRINCIPAL PRINCIPAL COLLEGE CO



COMPUTER SCIENCE & ENGINEERING

VIII SEMESTER- SECTION: B

IL INTERNAL TEST

-	KO	OM No:C-402 DATE/SUBJE	CT CODES
CI		18-04-2	
SI No.	USN	Morning	Afternoon
110.		18 ** 81	18 ** 82*
1	1CE20CS036	plaleema.	Kaleena
2	1CE20CS037	que	Jy.
3	1CE20CS038	And	Ab
4	1CE20CS039	Tiolie	Tyathox.
5	1CE20CS040	Dhange	Danya_
6	1CE20CS047	Adhah	Euleulla
7	1CE20CS062	Ab	- Ab
8	1CE20CS069	Suchal	: Ab
9	1CE20CS071	Ab	Ab
10	1CE20CS079	Tar	Ab
11	1CE20CS015	Raesent	Ab
12	1CE20CS032	Can In	Jew I
13	1CE20CS041	Castle Jones -	Las bealthing
14	1CE20CS042	Karrin	Ab
15	1CE20CS043	has	
16	1CE20CS044	Krupashee-G	Kruposher G
17	1CE20CS045	Krupashice. G KumaratwanyP Ab	Ab
18	1CE20CS046	Ab	Ab
19	1CE20CS048	Manasa.P	.Ab
20	1CE20CS049	Ab	Ab
21	1CE20CS050	Ab	Ab
22	1CE20CS051	Ab	, Ab
23	1CE20CS052	Ab	Ab
24	1CE20CS053	to lake	Enalale).
25	1CE20CS054	Ab	· Ab
26	1CE20CS055	Nimmi	· Ab
27	1CE20CS056	(Qua)	100
28	1CE20CS057	poojas	poola's
	No. of Students Presen	t Ab	Ab .
	No. of Students Absent	8	16 16
	Staff Signatur	e Panguetha. D	108



Page 3 of 9

CITY ENGINEERING CU.



COMPUTER SCIENCE & ENGINEERING

VIII SEMESTER- SECTION: B

III INTERNAL TEST

RO	OM	No.	C-	403
110	OTAT	TAO.	C-1	400

~.			BJECT CODES
SI	USN	18-	04-2024
No.	70.5 (30 Made)	Morning	Afternoon
		18 ** 81	18 ** 82*
1	1CE20CS058	Pronan la. D.	Branam K.R.
2	1CE20CS059	Ab	Ab
3	1CE20CS060	Dushkar	Ab
4	1CE20CS061	Ab	Ab
5	1CE20CS063	Ab	Ab
6	1CE20CS065	Ab	Ab
7	1CE20CS066	Ab	Ab
8	1CE20CS068	Shaba H.N	Ab
9	1CE20CS070	Jonan	Ab
10	1CE20CS072	Sulve	Sul
11	1CE20CS073	2 mg	8.10
12	1CE20CS074	The state of the s	The state of the s
13	1CE20CS075	Swats	Gorati
14	1CE20CS076 ·	Ab	Ab
15	1CE20CS077	Ab	Ab
16	1CE20CS078	Lalia	dalia
17	1CE20CS080	ALL	711
18	1CE20CS082	Harri.	How.
19	1CE20CS083	U. Montheumse	Ab
20	1CE20CS084	Jawhnavi. I	Jan nave. I
21	1CE20CS086	Ab	Ab
22	1CE20CS087	(V)	(V)
23	1CE20CS088	Ab.	Ab
24	1CE20CS089	Yashashru	Ab
25	1CE20CS090	Kwi-	Yarian
26	1CE20CS091	Ab	Ab
27	1CE19CS036	mara	Justine .
	No. of Students Present	17	12
	No. of Students Absent	10	0 15
	Staff Signature	Mouraga. G	lu-



PRINCIPAL PRINCI

C

COURSECODE:18CS822

CIŢYENGINEERINGCOLLEGE

KanakapuraRoad,Doddakallasandra,Bengaluru-560062

THIRD INTERNAL TEST

rogramme:CS/IS

jourse Name:Storage Area Networks

em:VIII A&B)uration:11/2Hrs Date: 08/05/2024

Time:2:30PM-4:00PM

Note: Answer any FIVE questions choosing at least ONE from each part

Note: Answer any FIVE questions choosing at least ONE from each	part	M.	AX	MARKS:
Part -A				
Describe Backup and restore operations.	-		CO's	BT'
Discuss disc		10	CO	BT1
Discuss different backup topologies.		10		
Monti Martin B		10	CO1	BT1
Mention Major Local replication technologies. Explain network based local replication				
OR OR	1	0 C	01	BT1, BT
A) Discuss flushing the file				
B) Explain the uses of local replicas.	5	C	01	BT1,BT3
	5			
Explain host hasad round in				
Explain host based remote replication with neat diagram.	10	CC)2 H	BT1, BT2
OR Difference between synchronous and asynchronous remote replication modes. Explain FCSCAN security architecture with a neat diagram.				
a near diagram.	5 5	CO	2 B	T2, BT3
xplain storage security domains.	7			
OR	10	CO	2 B	T2, BT3
hat is remote replication? Explain storage array based remote replication.	10	CO	2	
Part-E			B	Г1, ВТ2
rite a note on i) Assets ii) Threats iii) Vulnerability	10	CO ₂	рт	22 D/II2
OR			BI	² 2, BT3
plain storage array based local replication in detail.	10		1	
	10	CO ₂	BT	3, BT4

l- Remembering the concepts BT2-Understanding BT3 - Applying BT4 - Analyzing BT5-Evaluating

1: Understand the techniques and summarize the correspondent

?: Investigate the concepts and apply the same



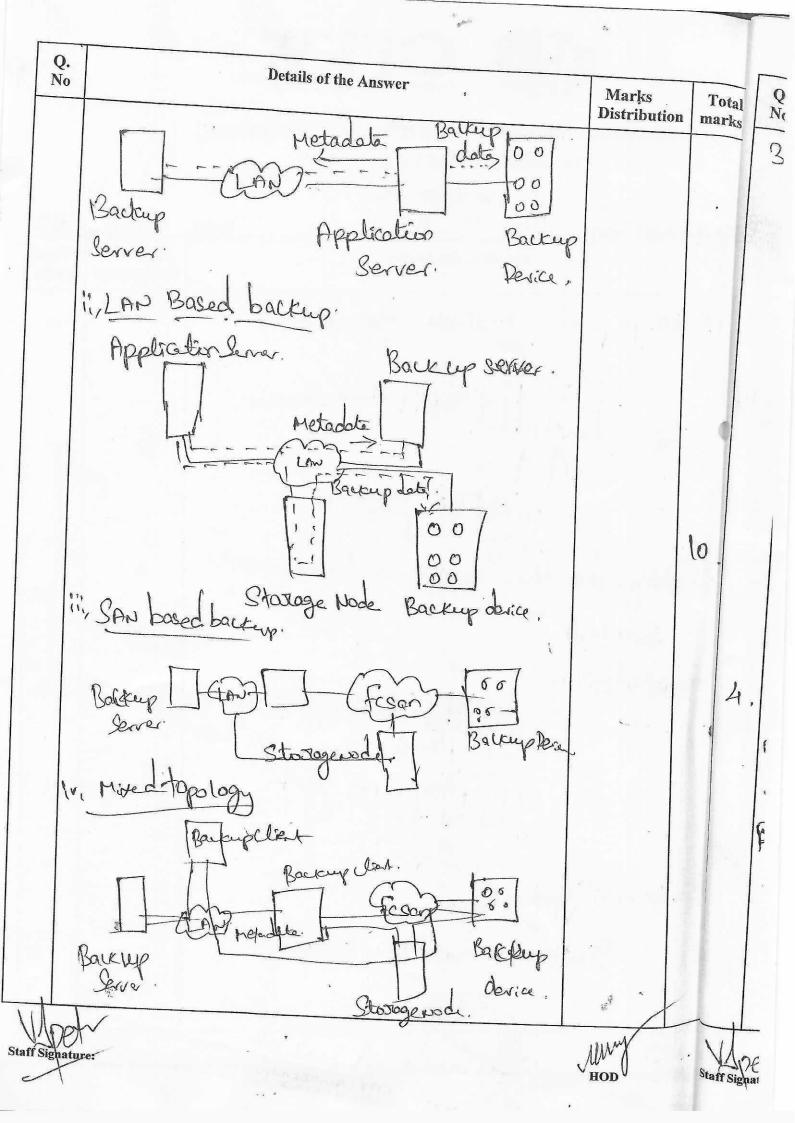




DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SCHEME FOR EVALUATION

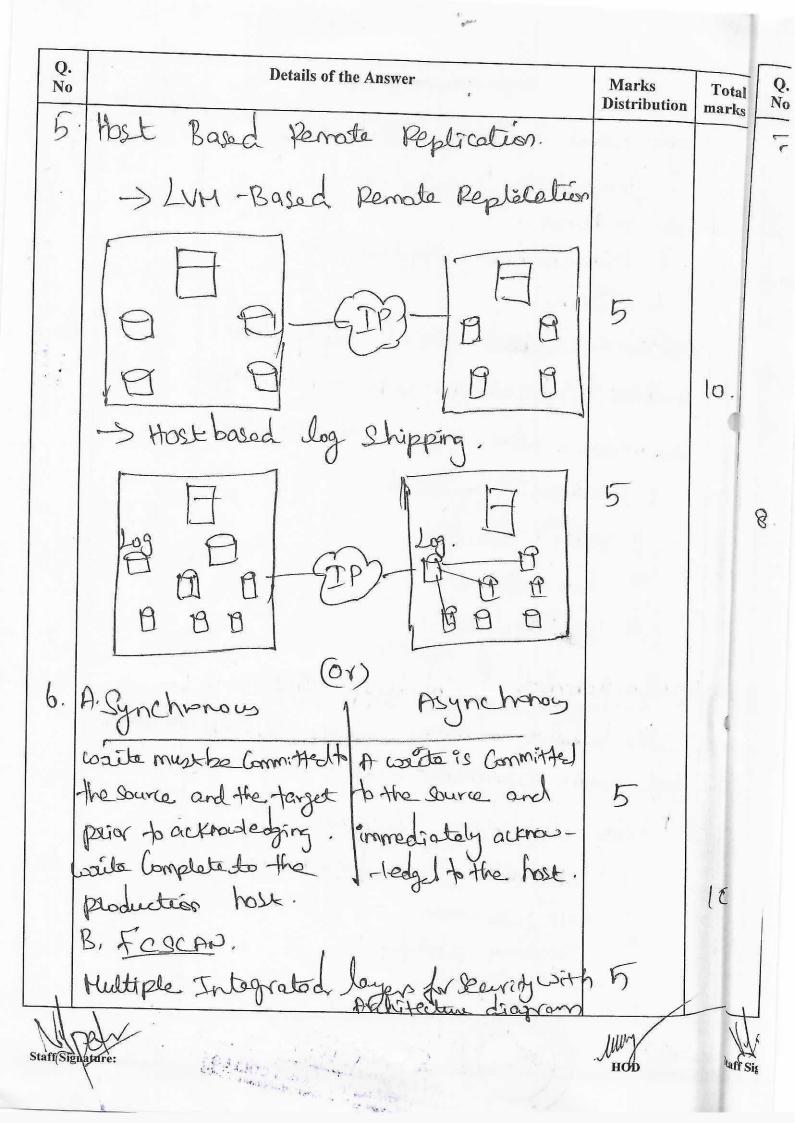
CIE TEST .

<u>SEM</u> Q.	MESTER &SECTION: VIII & AIB. DATE	8.05.	2024
No	Details of the Answer	Marks Distribution	Total marks
•	Backup and restore operation.	7 77.	
-	Application Servers.		
	357 4	5	7
	Listing out the operations forried out		
discount	in Parking		6
	in Backup. Vestoration.		SOLITOR STATE STAT
(III Backup Clients.	5.	
	$\begin{array}{c} 2 \\ 2 \\ 6 \\ 5 \\ \end{array}$		
1 .	Backup Topologies.		
	i Birect attached backup		
Staff Sig	gnature: CITY ENGINEERING COLORS CITY ENGINEERING COLORS Kanakagura Main Road, Bangaluie-suna 1	Mmy	



(2)

	Q.			(2)
tal -ks	No	Details of the Answer	Marks Distribution	Total marks
		Major Local Paplication technologies. 1. Snapshat Replication. 2. Mirroring 3. Asynchronous Peplication. 4. apring.	3	
0	XV 2000	Network based boat Replication involves Replicating date blu Storage Slm over a New within a LAN or SAN.	Ž-	10.
)		1. Storage Array Bosed. 2. Host Based. 3. File Based.	5	
		H. Block Lavel. (Or). Flushing the SIm buffer refers to . ? Dete held in monoxy buffer by the txp file SIm is Conitheration disk. Uses of Local Replicas	elonation (5)	
		1. Alternative Source for backup. 2. Fast se covery. 3. Testing platform. 4. Data regration	5	0.
Stafi	Signat	PRINCIPAL PRINCI	M)	



	Q.			(3)
rks	No 7	Storage decevity Domains.	Marks Distribution	Total marks
J .		Harage ment. Accen. Backup, Peplication Storage Flo Peplication, Sp Archive Data Storage	lo	Lo .
	8.	Perote Replication. Replicas of Enformation assets at re Genrate Sites arganization mitigate the risks.	3 .	
6	3	totage, Array Based Perrote Replication		0.
E		i Synchronous Replication Mode ii. Asynchronous Eplication mod. 7 iii. Disk Buffered Replication		
Staff Sig	gnature:	PRINCIPAL DE PRINC	my .	

Q. No	Details of the Answer	Marks Distribution	Tota
	Toformation, Hw, Slw and other infrastructure Components are Asse	2	mark
61	Passive Attack, Date modification Attack. Des. Rependiation.	4	lo.
1.01	Potential Attacks. Petense indepth. Layored approach to security.	3	
(0. 5	Storage Array based local Replication Read/ Source Replican Read/ Local Source Replican Read/ Reduction	5.	
Fo	Host in Valure Miworing. Pointer Band full Valure Replication	5	(0-
00/		alwy .	



Remained to VTU. Approved by Govi. of Karratiska. Recognized by ARCTE. New Deni Karrakapura Main Rd. Doddarsissandra, Bangatere Still 061. Small dtyengineerings: 396 gmail.com. Website. www.cityongineeringcollege.ac.or Ph 080 - 20560553. Moto 98804 51365



NAAC ACCREDITED

INTERNAL ASSESSMENT BOOK

Name Benitta Hattsiyal X USN ICE 2005019

Branch CSE Someon VIII Section A

Sub Code: 18C5822 Subject SAN

SI. No.	Particulars	Date	Page No.	Max. Marks	Marks Awarded	Signature of Staff incharge
1.	Test - 1	26/03/24	01 - 14	40	48	Vinet 13
2.	Test - 2	18/04/24	15 - 28	50	50	Whale
3.	Test - 3	08/05/24		50	50	Voor

CERTIFICATE

This is to contry that Mr. Mr. Benitta Hathiyal X

беата

USV 10 E 20 CS 019

has satisfactorily completed the course of Internal ascessment prescribed

by the Vivesvaraya Tochnological University for Semester

VIII) Branch

for the academic year 20 23, 20 29

	MARKS A	WARDED	
	Test Martis	Assignment Marks	Final I.A Marks
Maximum	30	10	40
Obtained	20	10	40

Signature of Student

Signature of Staff Incharge The second



Skowlow

PRINCIPAL PRINCI

CSE

Branch : CS

Semester: 8

SINO	T usn	18CS822	1
1	1CE19CS036	32	/
2	1CE20CS001	33 <	
3	1CE20CS002	39 /	
4	1CE20CS003	36 -	
5	1CE20CS004	33 /	
6	1CE20CS005	39 /	/
7	1CE20CS006	37 /	
8	1CE20CS007	40	
9	1CE20CS008	33	
10	1CE20CS009	30	
11	1CE20CS010	38	
12	1CE20CS011	35	
13	1CE20CS012	38	
14	1CE20CS013	40	
15	1CE20CS014	38	
16	1CE20CS015	37	
17	1CE20CS016	40	
18	1CE20CS017	39	
19	1CE20CS018	40	
20	1CE20CS019	40	20
21	1CE20CS021	38	
22	1CE20CS024	39	
23	1CE20CS025	40	
24	1CE20CS026	40	
25	1CE20CS027	35	/
26	1CE20CS028	40	
27	1CE20CS029	35	
28	1CE20CS030	40	
29	1CE20CS031	38	
30	1CE20CS032	31	_
31	1CE20CS033	34	
32	1CE20CS034	35	
33	1CE20CS035	34	/
34	1CE20CS036	38	
35	1CE20CS037	40	-
36	1CE20CS038	37	

Report ID : VTUCOLDRAFT6651758ZDAVECCE

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45			37 /
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Doddakallasandra, Kanakapura Road, Bengaluru 560062

Department of Electronics and Communication Engineering

Circular

This is to notify that 3rd Internals of 8th semester will be conducted on 18TH and 19TH APRIL 2024

10.30am-12.00pm -18EC81 (Internet of Things)

10.30pm-12.00pm-18EC821 (Network security)

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Doddakallasandra, Kanakapura Road, Bengaluru 560062

Department of Electronics and Communication Engineering

8th semester 3rd Internal Time Table

DATE	10.30am-12.00pm	SUBJECT
18/04/2024	18EC81	Internet of Things
19/04/2024	18EC822	Network security

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Kanakapura Main Road, BANGALORE - 560 061

Consultaje



Department Of ELECTRONICS and COMMUNICATION Engineering

8th SEM 3RD IA ROOM ALLOTMENT

Sl.No	8 EC 'A'	18-04-2024 Thursday	19-04-2024 FRIDAY
51.110	o ne	10.30am-12:00PM	10:30PM-12:00PM
	USN	A103	A103
1	1CE20 EC 001	A103	A103
2	1CE20 EC 002	A103	A103
3	1CE20 EC 003	A103	A103
4	1CE21EC 400	A103	A103
5	1CE21EC401	A103	A103

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Department Of ELECTRONICS and COMMUNICATION Engineering 8th SEM 3RD IA FACULTY DUTY ALLOTMENT 18-04-2024 19-04-2024 NAME OF THE Thursday FRIDAY Sl.No **FACULTY** 10.30am-12:00PM 10:30PM-12:00PM 1 Dr shaini Prasad A103 Shylaja 2 A103

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NAAC ACCREDITED

INTERNAL ASSESSMENT BOOK

Name: KEERWIT A	USN 1CE20ECO02
Branch ELECTRONICS AND COMMINICATION	
2.1.2.1.1054.2.1	

Sub Code: 18EC821 Subject: NRTWOLK SECURITY

SI. Vo.	Particulars	Date	Page No.	Max. Marks	Marks Awarded	Signature of Staff Incharge
1.	Test - 1	26/03/24	1-8	40/30	36/27	4.
2.	Test - 2	25/04/24	9-14	40/30	34/26	<u> </u>
3.	Test - 3	07/05/24	15-22	40/30	38/29	
					108/82	

CERTIFICATE

This is to certify that Mr.//Ms. KEERTHI A bearing	4
USN 1CE 20 E COO2 has satisfactorily completed the course of Internal assessment prescribed	<i>[</i>
by the Vivesvaraya Technological University for Semester VIII Branch EC	į,
for the academic year 20 23 20 24	

for the academic year 20 23 20 24

	MARKS	AWARDED	
	Test Marks	Assignment Marks	Final I A Marks
Maximum	30	10	40
Obtained	27	10	37

Signatu

Signature of Staff Incharge

Signature of H.O.D





Visvesvaraya Technological University

IA / CIE Report June / July 2024 Examination.

CITY ENGINEERING COLLEGE, BANGALORE

Branch: EC

Scheme: 2018

Semester: 8

Sl NO.		18EC81	18EC821	18ECP83	18ECS84	18ECI85	STUDENT SIGNATURE
1	1CE20EC001-	33	37	34	86	35	-
2	1CE20EC002	35	37	38	95	36	
3	1CE20EC003	23	26	28	81	26	
4	1CE21EC400	23	23	26	78	25	
5	1CE21EC401	36	36	38	96	35	
X	Faculty Signature	Cls	She k	05/2	30	7	XXXXXXXX

values are either optional subjects or the faculty has not yet entered the marks

TH - Theory part of CIE Marks (IPCC)

PR - Practical part of CIE Marks (IPCC)

T - Total CIE Marks (IPCC)

Seal and Signature

Professor & Head Dept of Bestroxics & Communication Engineering Gity Explanating College, Doddakakisazuka, Karokapura Mein He Bangaluru-589 081.

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Seal and Signature

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C E

COURSE CODE:18EC821

CITY ENGINEERING COLLEGE

FIRST INTERNAL TEST

Programme: ELECTRONICS AND COMMUNICATION

Course: Network Security

Sem& Sec: 8 A Duration: 1 1/2 hrs.

Date:26/03/2024 Time: 2:30 PM-4:00 PM

Max Marks: 40

Note: Answer all Questions selecting any ONE FULL question from each part.

Q No	Questions	Marks	CO's	BT'S
	PART-A			¥
1	Why a security is needed? Brief. Enumerate the salient features of modern nature of attacks.	10	CO1	L1 L2
	OR	1		B.
2	Explain the principles of security with necessary diagrams.	10	CO1	L1,
	PART-B			
3	What are Active attacks? Explain Masquerade, Replay attack, Alteration of messages and Denial of service.	10	CO1	L1, L2
	OR		L	
4	Mention the programs that attack computer systems. Explain Virus and its four phases of lifetime.	10	CO1	L1, L2
	PART-C			
5	Highlight the key characteristics of the four generations of anti-virus software.	10	CO1	L1, L2
-	OR			
6	Tabulate the Web Security Threats, consequences and countermeasures with respect to Integrity, confidentiality, Denial of service and Authentication.	10	CO2	L1, L2
	PART-D			
7	Explain with neat figures, the three-level web traffic security approaches.	10	CO2	L1, L2
	OR	3		TV
8	Describe SSL architecture with SSL protocol stack.	10	CO2	L1, L2

Blooms Taxonomy Levels (BTL):

BT1-Remembering

BT2- Understanding

Course Outcomes (CO's): CO1: Explain network security services and mechanisms and explain

Security concepts

CO2: Understand the concept of transport level security and SSL.

DEPARTMENT OF ELCECTRONICS & COMMUNICATION ENGINEERING SCHEME FOR VALUATION- 2023-24

INTERNAL TEST: 01

Semester & Section: S A Sub Code: 18 EC 821 Sub Name: Network Security Date: 26-3-24

Question No	Details of the Answer	Marks Distribution	Total Mark
١.	Need of Security		
	- Inportance of data To handle of cover financial is personal data		
	- 10 authenticate a uses.		
	Sahert features of modern nature of altacks:	5	
	- Antonoting allacks - Plivacy concers - Distance no malter		
	Distance no malter	5	10
ع. ا	Perociples of security - confidentiality, Anthentication, integrit		
6	is very exphanación.		
	Confidentiality. A B B confidentiality (interception)	3	
4	Anthontication: Reservable		
	The same of the Market of the same of the	3	
3	Polegity: A idealite B		
	Cactual soute (loss of integrity)	3	
A	Potegrity: A !'destree B (loss of integrity) Cactual soute (modification) Von-Reproduction - Refread of info. sect. (derival of dairy)	t	10
3 1	Telive altacks one modifying the original message		
	relive altacke one modifying the original melsage or conclining false message. Not an early way to prevent.		
	Masquelade - Thypip to pose as another entity.	3	
	Replay attack - Modifications & Resending	3	-5
	Alteration of messages - changes to original data Denial of service - Atlant to prevent registrate use from Parcoccup services.	3	10
Staff	of sold is	Ch.	

TCP SSLOVTLS UDS		Mark
8. Seale briket layer. architechee. Sel protocol strik explanati	Sphaltinin Perel: 4 Sign 6 3 3 4	10





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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING Circular

This is to notify that 3rd Internals of 8th semester will be conducted on 18/04/2024 10.30am-12.00pm -18CS81 (Internet of Things) 2.30pm-4.00pm-18CS822 (Storage Area Network)

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8th semester 3rd Internal Time Table

-	2.30pm-4.00pm
18CS81	18CS822
	18CS81

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Department Of Information Science and Engineering

8th SEM 3RD IA FACULTY DUTY ALLOTMENT

Sl.No	NAME OF THE	18-04-2024 Thursday	18-04-2024 Thursday	
	FACULTY	10.30am-12:00PM	2:30PM-4:00PM	
1	Mrs. Shruthi B S	C201		
2	Mrs. Swetha A			
		C202		
3	Mrs. Vibhavi R N			
		C203		
4	Ms. Shravya S		C201	
5	Mr. John Peter		C202	
6	Mrs. Nayana R K		C203	

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Room Allotment for 3rd InternalTest_UG –8thSemester_18thApril2024

ROOMNO:-CS-203

GeatN	8SEMISB				
о.	USN				
1	1CE20IS001			1	
2	1CE20IS002				
3	1CE20IS003				

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Department of Information Science and Engineering

VIII SEMESTER - SECTION: B

III INTERNAL TEST

ROOM No: C-203

SI No.	USN	Morning	Afternoon
		18CS81	18CS822
1	1CE201S001	Aida Kamen	Dicha Komen.
2	1CE201S002	Am	Am
3	1CE201S003	JKH2	LIXTER-
N	No. of Students Present	03	03
1	No. of Students Absent		
	Staff Signature	Shouther).	Welv

Signing

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COURSECODE:18CS822

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THIRD INTERNAL TEST

programme: CS/IS

Course Name: Storage Area Networks

Sem:VIII A&B

Duration:11/2Hrs

Date: 08/05/2024

Time:2:30PM-4:00PM

ta Duration: 1/2Hrs			
Note: Answer any FIVE questions choosing at least ONE from each pa		MAXN	AARKS150
at least ONE from each pa	rt		
Part -A		CO'S	BT'S
1. Describe Backup and restore operations.	10	COI	T
OR		1	<u> </u>
2. Discuss different backup topologies.	T	Т	T
	10	CO1	BTI
Part-B			
Mention Major Local replication technologies. Explain network based local replication	10	CO1	BT1, BT2
OR .	10	CO1	L ,
4. A) Discuss flushing the file system buffer.			1
B) Explain the uses of local replicas.	5	CO1	BT1,BT3
	5]
Part-C			
5. Explain host based remote replication with neat diagram.	10	CO2	BT1, BT2
· OR			
6. A) Difference between synchronous and asynchronous remote replication modes. B) Explain FCSCAN security architecture with a neat diagram.	5 5	CO2	вт2, вт3
Part-D			1
Explain storage security domains.	10	CO2	BT2, BT3
. OR			
What is remote replication? Explain storage array based remote replication.	10	CO ₂	BT1, BT2
Part-E			1
Write a note on i) Assets (i) Threats iii) Vulnerability	10	CO2	BT2, BT3
. OR			1
Explain storage array based local replication in detail.	10	CO2	BT3, BT4

OloomsTaxonomyLevels(BTL):

871- Remembering the concepts BT2-Understanding BT3 - Applying BT4 - Analyzing BT5-Evaluating

CoarseOutcoines(CO's):

COI: Understand the techniques and summarize the concepts

CO2: Investigate the concepts and apply the same

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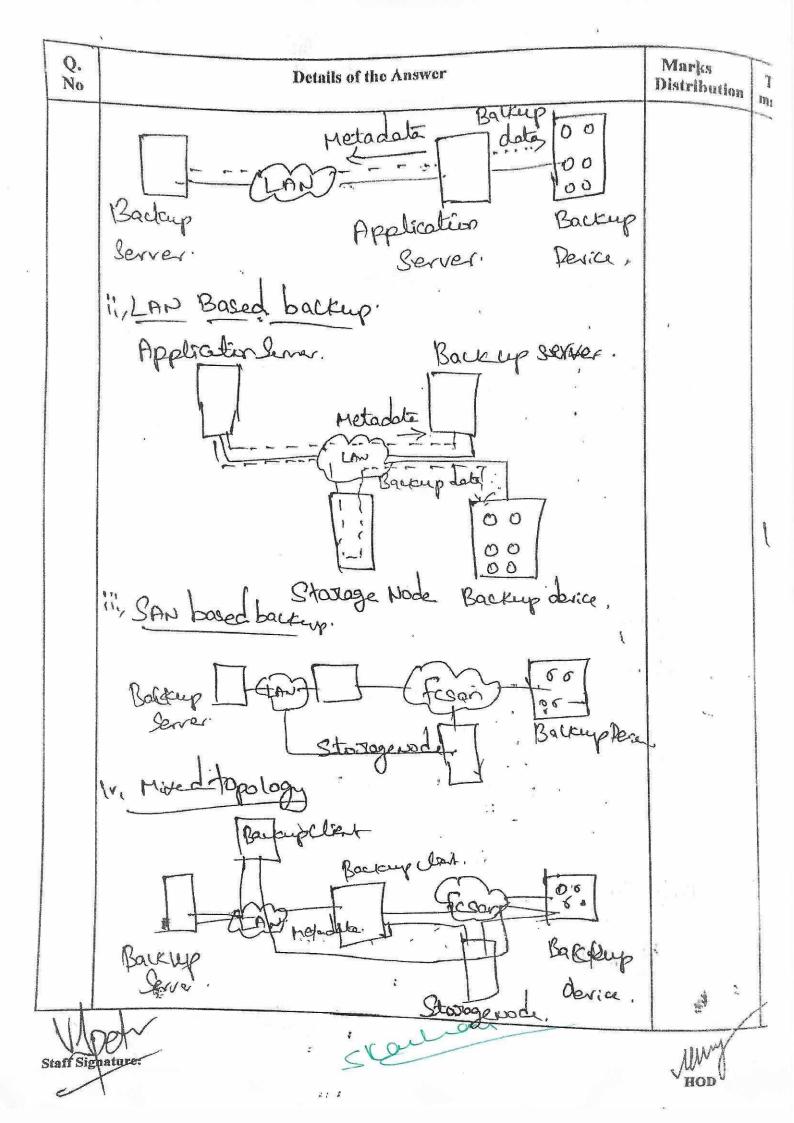


DEPARTMENT OF, COMPUTER SCIENCE AND ENGINEERING

SCHEME FOR EVALUATION

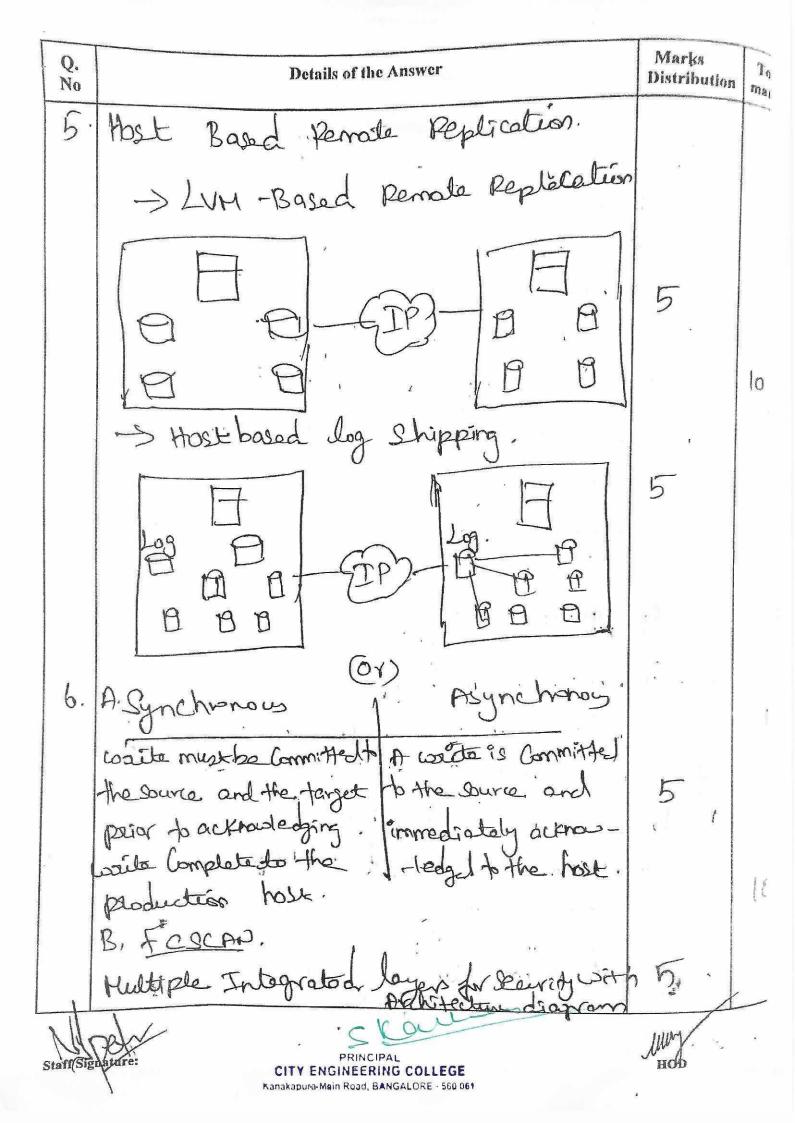
CIE TEST - W.

SEMI	ESTER &SECTION: VIII & AIB. DATE	: 8.05.	2024
Q. No	Details of the Answer	Marks Distribution	Total marks
1.	Backup and restone operations.	A STATE OF THE STA	
	Application Servers.	5	
,	2 35 5000		The state of the s
выфоднавня нецининация дальной вузобередей», четорогом в меня	Listing out the operations forried out in Backup.	g_AAGCTBAGGTBATTTTTTTTTTTTTTTTTTTTTTTTTTTT	A)
And the second s	Vestoration. [] [] Backup Clients.	5	NEO-PROGRAMMA AND AND AND AND AND AND AND AND AND AN
	$ \begin{array}{cccc} 2 & 3 & 4 & 1 \\ 6 & 6 & 5 & 1 \end{array} $ $ \begin{array}{cccc} \text{Cor} \end{array} $		
<u></u>	Backup Topologies:	•	
	Brieck attached backup		
Stans	PRINCIPAL CITY ENGINEERING COLLEGE Kanakanura Main Poort PANS (1997)	Juny.	



	Details		
Haior	Details of the Answer	Marks Distribution	Total
2.	Local Raplication Technologies. Propostat Deplication. Mirroring Asynchronous Peplication. Cloning.	3	
involue	es Replicating data blu Storage over a New within a LAN or SAN.	Ž-	(0.
2 3	Storage Array Based. Host Based. Fire Based.	5	
A, Fiu		planation (5)	
	Es of Local Raplicas Alternative Source for backup. Fast se covery. Testing platform. Data regration Docision Support.	5	<i>(</i> o.
Signature:	Skonen	lling	A SECULIAR DE LA COMPANSA DE LA COMP

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Data		- Comment (1984)
O. Details of the Answer	Marks Distribution	Total marks
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Peplicas of Enformation assets at the stemate Sites auganization mitigate the sists. Storage Array Based Remate Replication Juncturorous Replication Mode II. Asynchronous Replication mode III. Disk Buffered Replication mode.	3	
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Q. No	Details of the Answer	Marks Distribution	Total Mari
9.	Triformation, Hlus, Slw and Other infrastructure Components are asse	1	
	ii, (hreels: Passive Attack, Data modification Attack.	4	- College - Coll
	Peperdiation. Vulnerability. Potential Attacks. Peperse indepth. Layered approach to security.	3	
(0.	Storage Array based Jacal Replication Read Source Replication Production Read Replication Production Full Valuere Mirroring Pointer Band full Valuere Replication	5.	
off Sign	PRINCIPAL CITY ENGINEERING COLLEGE Kanakapura Main Road, BANGALORE - 560 061	Hob	



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		NTERNAL	ASSES	SMEN	T BOOK	
\$	\d_1					C20TSOOI 8th Section 1B'
Sub (Code: 18CS8	22 Subje	ect: SA	N		
SI. No.	Particulars	Date	Page No.	Max. Marks	Marks Awarded	Signature of Staff Incharge
1.	Test - 1	26/03/24		50	46	Vipet
2.	Test - 2	18/04/24		50	36_	West
3.	Test - 3	8/05/24		50	48	When
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Kanakapura Main Rd, Doddakala audia. Bangalore 560 001 Email: cityengineering 123 (urquail com: Website: www.cityengineeringcollege ac in Moti 98804 11365 Ph 080 22560313



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Email cityengineering123(bigmail.com Website municiped) exercises (kanakapura Ph. 080 - 22560313 - Mob. 38804.1136).



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CITY ENGINEERING COLLEGE, BANGALORE

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'Department of Mechanical Engineering <u>Circular</u>

This is to notify that 3rd Internals of 8th semester will be conducted on 10/05/2024

10.30am-12.00pm -18ME81 (Energy Engineering)

2.30pm-4.00pm-18ME822 (Tribology)

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`Department of Mechanical Engineering 3rd IA Time Table

DATE	TIME	SUBJECT CODE
10-05-2024	10:30-12:30	18ME81
10-05-2024	2:30-4:30	18ME822

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'Department of Mechanical Engineering 8th semester 3rd Internal Duty Allotment

10/05/2024	10.30am-12.00pm	2.30pm-4.00pm
Faculty Name	PROF.ANIL KUMAR R	PROF.HARSHA VARDHAN U

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'Department of Mechanical Engineering 8th semester 3rd Internal Duty Allotment

10/05/2024	10.30am-12.00pm	2.30pm-4.00pm
Room No	A307	A307

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Department of Mechanical Engineering 8th semester 3rd Internal Attendance

SI No	USN	10.30am-12.00pm	2.30pm-4.00pm
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NAAC ACCREDITED

INTERNAL ASSESSMENT BOOK

Branch Mechanical Semester VIII Sec Sub Code: IRMERI Subject: Energy Engineering SI NO. Particulars Date Page No. Max. Marks Awarded Staff 1. Test-1 26 03 2024 1-8 50 44 A 2. Test-2 1904 2024 9-16 50 45 3. Test-3 1005 2024 17-24 50 46 CERTIFICATE Is is to certify that Mr./AMS. Subject: Branch Mechanic Mechanic year 20	
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PRINCIPAL CITY ENGINEERING COLLEGE Kanakapura Main Road, BANGALORE - 560 061

CITY ENGINEERING COLLEGE FIRST INTERNAL TEST

PROGRAMME: MECHANICAL ENGINEERING

COURSE NAME: Energy Engineering

SEM: 8TH 'A'

Duration: 1.30 Hrs

DATE: 26/03/2024

TIME: 10:30AM - 12:00PM

MAX MARKS: 50

	Note: Answer any FIVE questions choosing at least one from each I	art.		
Q	PART – A	M	CO'S	BT'S
no.				
1.	Explain briefly steps involved in coal handling.	10	C01	BT2
	OR			
2.	With a neat sketch explain induced draught cooling tower.	10	C01	BT2
	PART – B			
3.	With a neat sketch explain the working of Bensen boiler.	10	C01	ВТ2
	OR			
4.	Explain the working of down draft gasifier.	10	C02	BT2
	PART-C			
5.	Explain the following 1. Superheater 2, Air preheater	10	C01	BT2
	OR			
6.	With a neat sketch explain horizontal and vertical axis wind machines	10	C03	BT2
	PART-D			
7.	Explain Induced Draught System.	10	C01	BT
-	OR			
8.	With a neat diagram, explain closed cycle Rankine cycle OTEC system.	05	C03	BT
	PART-E			
9.	With a neat sketch explain Pyranometer	10	C01	BT
	OR			
10.	With a neat sketch explain the working of pressurized water reactor.	06	C03	BT

Blooms Taxonomy Levels (BTL)

BT1- Remembering BT2- Understanding BT3 - Applying BT4 - Analyzing BT5- Evaluating BT6-Creating.

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DEPARTMENT OF Mechanical Engineering

SCHEME FOR VALUATION_

Internal Test ... 18t

Semester & Section :- 8th & A

Date: 26 03 2024

		Marks	Total
Question No.	Details of the answer	Distribution	Marks
1	Steps involved in coal handling	10	10
2.	Sketch	06]	Lo.
3.	Explanation Sketch	04 2	10
	Explanation	042	10
4.	Sketch Explanation	0 6	
5.	Superheater	05	lo
	Air preheater		1
6.	Horizontal Asus Machines Vertical Asus Machine	05	10
9			
7	Explanation	06}	10
8	S Ketch	06.0	
	Eaplanation	08	10
Ade			

Staff

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DEPARTMENT OF Mechanical Englicerry

Semester & Section 8th & A

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Visvesvaraya Technological University

IA / CIE Report June / July 2024 Examination.

CITY ENGINEERING COLLEGE, BANGALORE

Branch: ME

Scheme: 2018

Semester: 8

Sl NO.	USN	18ME81	18ME822	18MEP83	18MES84	18MEI85	STUDENT SIGNATURE
1	1CE20ME001 -	37	36	34	80	34	
2	1CE20ME002	26	25	24	53	25	
X	Faculty Signature	DI	B	Ailmis	Alexander	Jun -	xxxxxxxx

^{* -} values are either optional subjects or the faculty has not yet entered the marks

TH - Theory part of CIE Marks (IPCC)

PR - Practical part of CIE Marks (IPCC)

T - Total CIE Marks (IPCC)

Seal and Signature

HEAD OF THE DEPARTMENT

Mechanical Engineering

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BANGALORE - 560 061

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Seal and Signature

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07/05/2024

CIRCULAR

Dear Students of 2nd Semester,

The college's discipline committee, led by Principal, has decided to confiscate your mobile phones if you are found to have engaged in any kind of malpractice during the internal assessment. This is in an effort to enforce discipline during the assessment process.

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07/05/2024

1st INTERNAL ASSESSMENT SCHEDULE - 2nd SEMESTER

Date	Time		Course Code	Course
	10.00am	P-CYCLE	BMATS201	
15/05/2024 (Wednesday)	- 11.00am	C-CYCLE	BMATS201/BMATE201/ BMATC201	Mathematics-II for CSE Stream Mathematics-II for CSE Stream/Mathematics-II for EESI
	1.00pm-	P-CYCLE	BPWSK206	/Mathematics-II for Civil Engg Stream
	2.00pm	C-CYCLE	BPWSK206	Professional writing skills in English
	10.00am	P-CYCLE	ВРНҮЅ202	Professional writing skills in English Applied Physics for CSE Stream
16/05/2024 (Thursday)	- 11.00am	C-CYCLE	BCHES202/ BCHEC202/ BCHEE202	Applied Chemistry for CSE Stream/ Applied Chemistry for Civil Engineering stream/
	1.00pm-	P-CYCLE	ВЕТСК205Н	Introduction to Internet of Things (IoT)
	2.00pm	C-CYCLE	BESCK204C	Introduction to Electronics Communication
	10.00am	P-CYCLE	BESCK204D + Civil Students	Introduction to Mechanical Engineering
17/05/2024 (Friday)	11.00am	C-CYCLE	-	
	1.00pm-	P-CYCLE	BPOPS203	Principles of Programming Using C
	2.00pm	C-CYCLE	BPLCK205B	Introduction to Python Programming

*Note: 1. Changed Timings

2. IA for Courses not listed here will be conducted during 2^{nd} IA

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2nd SEMESTER- 1st INTERNAL ASSESSMENT

FACULTY INVIGILATION DUTY ALLOTMENT

08/05/2024

-	NAME OF THE FACULTY	Department	15/05/2024 (Wednesday)		16/05/2024 (Thursday)		17/05/2024 (Friday)		Total Number	Signature
SI.No			10.00am – 11.00am	1.00pm- 2.00pm	10.00am - 11.00am	1.00pm- 2.00pm	10.00am - 11.00am	1.00pm- 2.00pm	of Duties	
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2	Mrs. Rekha R	MAT	A38		405		21804	V1005	4	
3	Mrs. Anitha C V		-48		AO		AGO!	1000	4	
4	Miss. Janavi R	MAT	AL S		100		- CV	211		
5	Ms. Bhavitha B G	MAT	A305		B) 1003	war -	AIOD	MOU3/5	4	
6	Ms. Meghana D	HS		A304		W 005			2	
7	Mrs. Swaroopini B S	HS	A3026	A308	A107		105		4	
8	Mr. Vishvakiran R. C.	ECE	A303 A	430Z	A1061	1	PA106		4	
9	Mr. Gopikishan J	ECE	A302	A107	A10500	_	A105		4	
10	Mr. Mahesh Basavaraj	AIML	Alor	ANDR	A10500		A104		4	
11	Mr. Harsha Vardhan U	ME	A1060	A	A 100	-		200	4	
12	Mr. Anil Kumar R	ME	A105 D	A104	- 40	A6040		A105	4	

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13	Mrs. Shruthi Naik	ME	Asoa	W103	ABOS)		A104	4	
14	Mr. Vinay Kumar S N	cv	ANO3	h102	A 102	,	ADOZ.	4	
15	Ms. Spoorthi M	CSE	A105	Agoal	Toppa		Meager	4	-
16	Ms. Monisha G B	CSE	A(QQ)_	ODE.	Aggis		- Y	3	***************************************
17	Mrs. Nayana R K	ISE	A008	A005	A105	/			- Have
18	Mrs. Nayana HJ	ISE	A005	A004	A100			3	
19	Mr. Mathivanan M	ISE	A004	- A00 PR	J.	AG 672	2 2	3	
20	Mr. Dinesh	PHY	A003000	A A007		A30679	A103	4	
21	Mr. Sadashiva	CHE		A307 A006	12	1009	A1087	- 4	

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7	1CE23AI004	8	21	1CE23AI011	22	35	1CE23AI018	36	
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5	1CE23AI045	6	19	1CE23AI053	20	33	1CE23A1060	34
7	1CE23AI047	8	21	1CE23AI054	22	35	1CE23AI061	36
9	1CE23AI048	10	23	1CE23AI055	24	37	1CE2	38
11	1CE23AI049	12	25	1CE23AI056	26	39	1 CE 23-	40
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7	1CE23IS004	8		21	1CE23IS012	22	35	1CE23IS019	36
9	1CE23IS005	10		23	1CE23IS013	24	37	1CF2318020	38
11	1CE23IS006	12		25	1CE23IS014	26	39	1CE23/3021	40
13	1CE23IS008	14		27	1CE23IS015	28	41	1CE28(5022	42

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Civil / Electronics and communication engineering

II SEMESTER- SECTION: C - Chemistry Cycle - FIRST INTERNAL TEST

	ROO	M No:A-106	
		DATE/SUBJE	
SI	USN	15/5/2	
No.	OSIN	Morning	Afternoon
		BMATE201/ BMATC201	BPWSK206
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	No. of Students Present	19	19
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## Department of Chemistry II Semester

Sub: Applied Chemistry for CS Stream

Max. marks:25M

Sub code: BCHES202

FIRST INTERNALTEST

Duration: 1hour (10.00-11.00) Date: 16/05/2024 05/2024 Note:- Answer live questions, choosing one from each part.

	Part-A	Marks	CO's	T
1.	Define corrosion? Explain Electrochemical theory of corrosion taking		1003	
	iron as an example?	5	CO ₃	T =
	OR Total	× 2	CO3	L
2.	Explain polymer electrolyte membrane electrolysis (PEM)?		L	<u> </u>
۵.	Exprise creeking to Electrolysis (PEM)?	5	T'==	
10	DADTE	1. 3	CO3	L
	What are photosoftaic cells? Explain the construction working of solar	L	10	
	with are particularly cens? Explain the construction working of solor			Mann
		5	CO ₃	L
	OR			-
4.	Write a note on anodization?		-	
	PART-C	. 5	CO3	L
5	Define lon selective electrode? Explain construction and working of			1.1
	(class electrode)	5	CO3	Tr.
			CO3	L
6.	Explain the application of conductored			L.,
	Explain the application of conductometry in the estimation of weak	5 [	COST	
		9	CO3	L3
7.	EMF of the cell Ag/AgNO ₃ (0.001M)// AgNO ₃ (XM)/Ag is 0.0659V	1		
	0 25°C Fird V Agrico (0.001M) // Agrico (XM)/Ag is 0.0650x [			
	77.26 10 0.0039 V	5	CO3	L5
	A thick have a OR			
	A thick briss sheet of are 400 inches exposed to moist air. After 2		W	
	to corrosion. If the density of brass is 8.73g/cm ³ and in After 2	5	CO3	L5
	to corrosion. If the density of brass is 8.73g/cm ³ , calculate CPR in			
-	2 12 to annpy! calculate CPR in			
	the conduction mechanism		L	
	Explain the conduction mechanism in polyacetylene through	5	CO4	L3
0.				رب
	DelineMn M - OR			
	DefineMp., N.w. In a polymer sample 100 molecules have g/mol and 250 molecules have molecular mass 10 ⁴ Mr., Mr.,	5	CO4	YC
	g/mol and 250 upleader to molecules have molecular mass 104	5	CO4	L5
	g/mol and 250 molecules have molecular mass 10 ⁴ Mr. Mr. Mr. Mr. Calculate molecular mass 10 ⁵ g/mol. Calculate pp y the basic concepts of chemistry to describe the methods of engineering processes.			

COAL Apply the basic concepts of chemistry to explain the chemical properties and processes.

L1-Remembering 12- Understanding L3-Applying L4- Analyzing L5-Evaluating.

PRINCIPAL

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DEPARTMENT OF Chamistry

SCHEME FOR VALUATION_

Internal Test . T.

Semester & Section II, A, B. CAIML & Is.

Question No.	Details of the answer	)ate: 16/05/2	1.
1 :	EMP + reactions.	Marks Distribution	Total
	Anade: - Fi Fet +2e-	2+3	Marks
ų.	Cathoder		,
	Acrated a neutral, 02+2130+40 - 340+ Decurated 2 reutral, 2420+ 20 - 245+01		٠
1	Descripted & acidic, 24+ + 2e - 42.		٠
2.	Anode: In metal could on parous 'c'.		
	Colored :- "Pl- metal coaled on Porous ic"	2+2+1.	
n	Electrique solid Porous Polymu electrique made	4-	Čw.
g # gan # 20	of NAFION.		To a
	Annali: 130 - 3-10-+ 24++2e-	a	*
	contrad . all fact - 45.		
	conjunction realtime + -fg.		
\$ v	1000 + Fig. 4. E=100 + Expl.	1+1+1+2	· SW·
4.	Fig. 4 EMPI.	1+4	SM-
· 22.	Det + construction + working.	1+2+2	SM
	En = Fina - Rina.		
	- ET Inc, + RT Incz.		
·	1- 2 1- 00501PH	00	J

PRINCIPAL CITY ENGINEERING COLLEGE kanakapura Main Road, BANGALORE - 560 061

## DEPARTMENT OF Chemishy

SCHEME FOR VALUATION_

Internal Test ... I

Semester & Section: IL & A,B (AJML &IS)

		Date:	
Question No.	Details of the answer		
100	Ga = 1-1 - 0. arg1 p 4.	Marks Distribution	Total Marks
6	4,0000H+ NOOH HCCOONA + +60.	1+3+1	SM
	Vol. of Naoth		
day.	Lea + Expl. of Graph		
	00659 = 2303×8,914×548.60 (8.).	1+1+1+2	-5M
and a signature of the	6359.85° /6/2, - (-3)		· .
	1-1145-3-103x		
£1.	-1.8855 = 10/x; A = C.0130 M.  CPR = &7.6×375×1010		* _N :
	8-73×400×2×365×24  8-73×400×2×365×24		2.
	- 200210000 = 3.2850000 374609966.		
	= 5.21313 mpy = 0.0832 mmpy.		

# DEPARTMENT OF Chemistry

SCHEME FOR VALUATION_

Internal Test ....

Semester & Section: I & A.B (AIML &II)

	Question	- 4 A.W (AIML GIS)			
	No.	Details of the answer	Date: 16/5/6	24	
	9		Marks Distribution	Total Marks	ĺ
		Polarn, Eipolann, soliton, delocalisation of on-	SM.	MOTES	
	10-	Ma MIN + M2N2 + M3N3.		*	
(*)		N ₁ + N ₂ + N ₃ .	•		
	•	= 100×103 + 200×104 + 250×105:			
		100 + 200 + 250			
		= 100000 + 3000000 + 35000000.			
4000		Ha 24100000 2000 727.	2+1+2	SM.	•
<u>ē</u>		MW = N.H. + N2N2 + M3M3"		- 1	
		N.M. + NON + NOME			•
		100 x(103)2+ 200 x(104)2+ 250 x(103)2	.		
		27100000			
		Hu = 929 92.6.			
		-formula + sub+ Amil.		And a contract of the contract	6.



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Email: cityengineering123@gmail.com Website: www.cityengineeringcollege.ac.in
Ph: 080 - 22560313 Mob: 98804 11365



#### NAAC ACCREDITED =

## INTERNAL ASSESSMENT BOOK

	The second second second	11 - 12 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		DOOK	
Name: Arash. 1	7. Silna	<u> </u>		USN1	CE7312008.
write Filmit		ve		Seme+er	ord Section B?
Sub Code: BCH용의	2.2Sub	ject:CH6	mistr	A :	
SI. Particulars	Date	Fage No.	Max. Marks	Marks Awarded	Signature of Staff Incharge
1. Test - 1 18 1615	Malaka	i-エ	9,00	22	A
2 Test 2 - 251	1		25	21.	3
3. Test - 3				43	21.5×0.6.
				2	13+10.
	6	CERTIF	ICATE		(A AVIX
This is to certify that Mr	119Ms F	Kash.	o. Sid	Iral.	bearing
ISN 4(B) 215008		a isfactorily c	omoleted the	e course of Int	ternal assessment prescribed
y the Vivesvarrya Technolog					
or the wademic year 20 252					
MARKS AWAFDED Test Assumed Marks Marks Maximum MY 10 Obtained / 2 10	Final I A Narks 2 Sugnu	ish V. istroph. interest		nature of f Incharge	Signature of H.O.D
B-					
SEASON OF PROPERTY OF THE PARTY	en it in a presenta		CONTRACTOR CONTRACTOR	Car	

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Academic Year: 2023-24

## Department of Artificial Intelligence & Machine Learning

1.	Name	of	the	Student:	ABHIJNANA	N
----	------	----	-----	----------	-----------	---

2. USN:

(CES) ASOO!

3. Year / Semester:

3915 1.

4. Course Code/Course Name: 21AIS4/Principles of Artificial Intelligence.

5. Type of Grievances:

a) Total Mistake

b) Answer not evaluated! In second Internal Test, Part-A, Q/2 b is not evaluated.

c) Absentees

d) Out of syllabus

6. Remarks:

Part & Questin & is unelnoted and given.

marle,

**Course Instructor** 

Mahushwai Tatil.

[MAHESHWARI PATIC]

HOD

Dept of Artificial Intelligence & Machine Learning CITY ENGINEERING COLLEGE Doddakallasandra, (Off) Kanakapura Road,

Bangalore-560061



Course Instructor

[ YINDHYA.R]

## CITY ENGINEERING COLLEGE

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Academic Year: 2023-24

HOD

Dept of Artificial Intelligence & Machine Learning

CITY ENGINEERING COLLEGE Doddakallasandra, (Off) Kanakapura Road, Bangalore-560061

## Department of Artificial Intelligence & Machine Learning

1.	Name of the Student: Shark Aliyaf
	USN: 1CE2/A1015
3.	Year/Semester: 3rd   5th SEM
4.	Course Code / Course Name: 21RM156 / RM2IPR.
5.	Type of Grievances:
	a) Total Mistake
	c) Absentees Unot evaluated: Internal - 1, 0, 1 b) SubDinision
	c) Absentees is not evaluated.
	d) Out of syllabus
6.	Remarks:
	SubDivision b) is revaluated and given 3 marles.
	accordingly.



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Academic Year: 2023-24

#### Department of Computer Science & Engineering

1.	Name	of the Student:	Aishwarya	·K·H
		1050-		

2. USN: 1CE22CS009

3. Year/Semester: II/III
4. Course Code/Course Name: BCS303/Operating System

5. Type of Grievances:

- a) Total Mistake
- b) Answer not evaluated
- c) Absentees

d) Out of syllabus

6. Remarks:

ruistall, H Course Instructor

reported issue with totalling the same how been reverified and sectified (23 heads 24)

(Hina Nazneen)



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Academic Year: 2023-24

## Department of Computer Science & Engineering

1. Name of the Student: Aspitha. M	
1. Name of the Student: Aspitha. M 2. USN:  CF22CS018	
4. Course Code / Course Name: BCS303 / Operating System  5. Type of Grievances:	
5. Type of Grievanees:	
a) Total Mistake	
b) Answer not evaluated	
c) Absentees	
d) Out of syllabus	
6. Remarks: Student reported arswer from second properties of the same of internal how met been evaluated, the same of internal how met been addressed, and sectified.  (15 made to 16)  HOD	0es
(Hina Magrean)	



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Academic Year: 2023-24

#### Department of Electronics & Communication Engineering

) G1.	Se
	1 670

2. USN: 1CE23EC410

2nd Year - 3rd Sem 3. Year / Semester:

4. Course Code / Course Name: BEC302 - DSD Veriley.

5. Type of Grievances:

a) Total Mistake

b) Answer not evaluated

c) Absentees

d) Out of syllabus

6. Remarks: 10.5 updated to 15.5.

Re-evaluated the Auswer.

ourse Instructor

Professor & Head Dept. of Electronics & Communication Engineering City Engineering College,

Doddakattesendre, Kenskapura Main Road Semplant-550 051.



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Academic Year: 2023-24

#### Department of Electronics & Communication Engineering

1. Name of the Student: ATHIRA GUPTAR.
2. USN: 1 CE 21 EC 004.
3. Year / Semester: 2023 / V
4. Course Code / Course Name: 21 RM156/. Research Methodology &
4. Course Code / Course Name: 21 RM156 / Research Methodology \$ 5. Type of Grievances:  a) Total Mistake  Rights
a) Total Mistake Rights
Answer not evaluated
c) Absentees
d) Out of syllabus
6. Remarks: Answes was evaluated tout marks
6. Remarks: Answes was evaluated point marks:  was not entered for the given question. Hence  marks was entered and final marks updated  Course Instructor  17 updated to 19  Professor & Head
murks was entered and final marks updage
Course Instructor 17 updaled to 19 (SMILLING)
Course Instructor  ( + 496 acts  Hob  Professor & Head  Deat of Flactories &
Dept. of Electronics & Communication Engineering
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Doddakstasandra, Karrakspura Main Re Bengaluru-560 GG1.



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Academic Year: 2023-24

#### Department of Information Science & Engineering

1.	Name of the Student:	SAGAR.R.
2.	USN:	1CE 221S044
3.	Year / Semester:	02/03
4.	Course Code / Course N	ame: BC3306A / oops with Java,
5.	Type of Grievances:	
	a) Total Mistako	Total mistake.
	b) Answer not e	valuated
	c) Absentees	
	d) Out of syllab	us day land
6.	Remarks: Total	nged the Correct mark.
	Recho	nged The Correct mark.
	Man	- hur
	Course Instructor	HON



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Academic Year: 2023-24

### Department of Information Science & Engineering

1.	Name of the Student: Bharath H·K
2.	USN: JCE22ISOO8
3.	Year/Semester: 2nd/3nd sem
4.	Course Code / Course Name: BCS304 / Data Structure
5.	Year/Semester: 2nd/3nd sem  Course Code/Course Name: BCS304/Data Structure  Type of Grievances: Part-E, Question no 9, NO+  a) Total Mistake  Evaluated.
	a) Total Mistake Evaluated.
	Answer not evaluated
	c) Absentees
	d) Out of syllabus

6. Remarks:

Part-E, Question 9 - Re-evaluated and given Morris.



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Academic Year: 2023-24

#### Department of Applied Science & Humanities

- 1. Name of the Student: Adi. K.S
- 2. USN: 1CE 23 ISO04
- 3. Year/Semester: First Year / First Sem
- 4. Course Code / Course Name: BMATSIOI / Engincering mathmatics
- 5. Type of Grievances:
  - a) Total Mistake
  - b) Answer not evaluated
  - e) Absentees
  - d) Out of syllabus
- 6. Remarks: After revaluation of total marks the Original marks has been corrected from 7 to 13.

Voil (Vanilta.a.R.)

Course Instructor

C. Gieser



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Academic Year: 2023-24

#### Department of Applied Science & Humanities

1. Name of the Student: charifa. c

2. USN: [CE 23 CS 033

3. Year/Semester: First Ycar/First Scm

4. Course Code/Course Name: BSFIAKI58/Scientific foundation of health.

5. Type of Grievances:

- a) Total Mistake —
- b) Answer not evaluated —
- c) Absentees
- d) Out of syllabus

original marks has been changed from 25 to 27.

Course Instructor

Mus (Meghana.D)

De Carie Su



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Academic Year: 2023-24

### Department of Artificial Intelligence & Machine Learning

1. Name of the Student: Wallash . Rao

ICE ZIATOIO 2. USN:

3. Year/Semester: 3 and Yuan / 6 th Sem

4. Course Code / Course Name: 21 AI 64 | Business Intelligence

5. Type of Grievances:

a) Total Mistake

b) Answer not evaluated ? In Internal 3 Part B & 3 is not Evaluated

c) Absentees

d) Out of syllabus

6. Remarks:

Question-3 is re-evaluated and given marks ordingly.

Instructor

accordingly.

Course Instructor

[SANGEETHA.N]

Dept of Artificial Intelligence & Machine Learning CITY ENGINEERING COLLEGE Doddakallasandra. (Off) Kanakapura Road,

Bangalore-560061



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Academic Year: 2023-24

## Department of Artificial Intelligence & Machine Learning

1. Name of the Student: DIVYA · M

2. USN:

1CE21A1008

3. Year / Semester:

3rd/VI sem

4. Course Code/Course Name: 21AD62 / Data Science & Its Application

5. Type of Grievances:

: In Second Internal Test, Part-B, Q-3
uated was not Counted. a) Total Mistake

b) Answer not evaluated

c) Absentees

d) Out of syllabus

6. Remarks: Revaluated and wented

**Course Instructor** 

[HASRATH]

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Academic Year: 2023-24

#### Department of Computer Science & Engineering

1. Name of the Student: Abhishek, M. G

ICE2ICS002 2. USN:

2. USN: 1 C E Z 1 C S US S 2 Manuer 3. Year/Semester: 3rd / 6th Sem

4. Course Code / Course Name: 21 CS 63/ Computer Graphics and Image Processing

Answer not evaluated

c) Absentees

d) Out of syllabus

6. Remarks:

Assignment questions were not evaluated, Same has be valuated and the marks has updated and vectified. (20 marks were added for the total).

Swethart

HOD



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Academic Year: 2023-24

#### Department of Computer Science & Engineering

- 1. Name of the Student: Darshan My.
- 2. USN: ICGAICSO31
- 3. Year/Semester: 3rd/6+h
- 4. Course Code / Course Name: 21056 Full Stack Development.
- 5. Type of Grievances:

#### a) Total Mistake

- b) Answer not evaluated
- c) Absentees
- d) Out of syllabus

6. Remarks: The student reported with totalling error and the same has been Verified and updated. (45 changed to 55).

(VIBHAVI. R.N).



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Academic Year: 2023-24

#### Department of Electronics & Communication Engineering

1.	Name of the Student: KENCHAPPA Y.R.
2.	USN: 1 CE2 (ECO   6
3.	Year/Semester: 3rd yr - 6 TH Sem
	Course Code / Course Name: 21EC63 - VLSI DESIGN
5.	Type of Grievances:
	a) Total Mistake
	b) Answer not evaluated
	c) Absentees

d) Out of syllabus

7) .

6. Remarks:

Re-Evaluated to 38.

Course Instructor

Smallikays HOD

Professor & Head
Dept. of Electronics &
Communication Engineering
City Engineering College,
Doddakellasendin, Karrakanara Angla
Bengal on 580.062



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Academic Year: 2023-24

City Engineering College, Boddshatterach a. Karokepure Main Russ Long Line St. 061.

#### Department of Electronics & Communication Engineering

1.	Name of the Student: Raghu T. H.
2.	USN: 1 CE 21 EC 401
3.	Year/Semester: 2024/VIII.  Course Code/Course Name: 18ECS/ Wireless and Cellullas.  Type of Grievances:
4.	Course Code / Course Name: 18ECS1 Wireless Will Course
5.	Type of Grievances:
	a) Total Mistake
	b) Answer not evaluated
	c) Absentees
6.	d) Out of syllabus  Remarks: One question marks was missed while  cloing total hence totaling was sedone in front  of shudent and updated  Course Instructor  Course Instructor  Course Instructor  A policy of Head
	Dept. of Electronics & Communication Engineering
	Self-self Civil Self-self Civi



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Academic Year: 2023-24

## Department of Information Science & Engineering

1.	Name of the Student: Akash Kumar
2.	USN: LCEQIJSDO 2
3.	Year/Semester: 3rd / 6th sem
4.	Course Code / Course Name: 21563 / Software Testing.
5.	Type of Grievances:
	a) Total Mistake
	b) Answer not evaluated : In Second Internal, Part-D and
	a) Total Mistake  b) Answer not evaluated: In Second Internal, Part-D (1.7 is c) Absentees  not Evaluated.
6.	Remarks: Ouated and given mail
	d) Out of syllabus  Remarks:  Jac-D. O.Y is legislabled and given mail
	Course Instructor
	пор



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Academic Year: 2023-24

### Department of Information Science & Engineering

1.	Name of the Student: Shirasunar. N
2.	USN: 1CE2PSO19
3	Vegr / Samagton, and I all
4.	Course Code/Course Name: 21ME652/Renewable energy power
5.	Course Code / Course Name: 21ME652 / Renewable energy power Type of Grievances: Answer not evaluated (0.40-6, b-P
	a) Total Mistake
	by Answer not evaluated
	c) Absentees
	d) Out of syllabus
6.	Remarks: Part - C. Q. 40-6 Evaluated and
_	Remarks: Part - C. Q. no-6 Evaluated and Given marks.  Course Instructor



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Academic Year: 2023-24

#### Department of Applied Science & Humanities

- 1. Name of the Student: KUSUMA, K
- 2. USN: ICE 23 I SO46
- 3. Year/Semester: First Ycar/ 2nd semester
- 4. Course Code / Course Name:
- 5. Type of Grievances:
  - a) Total Mistake •
  - b) Answer not evaluated  $\smile$
  - c) Absentees
  - d) Out of syllabus
- 6. Remarks: After a thorough review of the answer booklet it was Jound that answer was not evaluated. The original marks have been revised from (15 to 18).

Course Instructor

Dy · Sumilha · N)

MOD ansel



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Academic Year: 2023-24

#### Department of Applied Science & Humanities

- 1. Name of the Student: Vinuth. P. Shetty
- 2. USN: ICE 22CS176
- 3. Year/Semester: 2nd Year/41 Semester
- 4. Course Code / Course Name: BCS301 / Discrete Malticmatical Structure
- 5. Type of Grievances:
  - a) Total Mistake
  - b) Answer not evaluated
  - c) Absentees
  - d) Out of syllabus
- 6. Remarks: upon revaluation of the booklet, it was determined that answer was not evaluated. This Score has been revised from 15 to 24.

Voil (vanilha. C.R)

Course Instructor

P Cariansu