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

As per Shivaji University Guidelines Continuous Internal Evaluation (CIE) is conducted at regular intervals in each semester. After Continuous Internal Evaluation, within week assessment is completed and result of the same are displayed on the notice board for the students. Students having any doubt or query about the marks contact the subject in charge. Students can see assessed answer book, and resolve the query. Once the queries (if any) are resolved, the changes accordingly are made in the marks. Student have to go for the above procedure within 5 days after declaration of result of each CIE. After completion all of the above procedure final result are displayed on notice board and same are uploaded on SUK online portal.

Sr. No.	Activity	Policy
1.	Assessment of Term work	As per the regular practice TERM WORK of 25 marks is distributed as follows: 1. Attendance (T +P) – 05 marks 2. Quality & completion of Journal in time – 08 marks 3. Understanding of Experiment – 05 marks. 4. Here it is expected to ask few questions to the student while the assessment of a particular experiment as part of continuous assessment policy. 5. Quiz (online/offline) based on Theory/TW/combined at after completion of TW. – 02 marks 6. VAP/NPTEL/Coursera/Certified course & paper publication in the Current Semester- 05 Marks
2.	Load Distribution	1. Load distribution involves distributing subjects, practical's, seminar, projects etc. It must be done immediately after the term end. This ensures that, staff gets sufficient time to thoroughly prepare the allocated subject and practical's and completes the course file before commencement of the next semester. 2. Teaching work distribution should be done as per the syllabus structure given by the University. The entire workload of the semester of a department should not be less than the University prescribed workload of that semester. 3. Head of the department should ensure that subject distribution among the departmental staff is fair and according to expertise or trust area of the staff. 4. Load Distribution must be approved from respective departmental head's, Dean academics, Principal, Campus Director and a copy should be submitted to Dean academics.
3.	Time Table	After subject distribution to departmental staff, departmental time table coordinator should prepare following time tables, 1. Class time table 2. Lab time table 3. Individual time table 4. Master time table • The three lectures per week per course of soft skill training should be included in time table. Or A whole day to be kept reserved for soft skill training • The lecture slots or day will be communicated by TPO. • Final approved copy should be submitted to Dean Academics.
4.	Quality Assurance in Academic System	Quality is ensured by conducting academic audit by various means like, feedbacks of different stakeholders such as students, parents, alumni, Industry, advisory board etc. are taken by the concern Heads/Departments. Feedbacks from different stakeholders are considered for quality improvement under the guidance of IQAC cell.

Sr. No.	Activity	Policy
8.	Add-on facilities	In order to bridge the gap between Industry and Academics, Add-on courses are to be designed and arranged by the respective departments which will help the students to become industry compatible. It is accomplished by arranging, 1. Guest/ Expert lectures 2. NPTEL lectures 3. VAP
9.	Detaining the Defaulter Students	The Student will be declared as non-eligible to keep term after going through three stages. 1. In the first stage, at the end of first month of the semester, the cumulative (all subjects & theory + practical) attendance of each student will be assessed. The defaulter list will be displayed. The students having said attendance less than 75% are called by a committee comprising HoD, academic Coordinator & one more senior faculty member from the department and will be warned only. 2. At the end of the second month, again attendance will be assessed. Defaulter list will be displayed. The students having attendance still less than 75% and are common in the earlier (first) month's defaulter list will be asked to call the parents compulsorily within one week from the display of defaulter list. 3. At the end of the semester, finally the attendance will be assessed. Defaulter list will be displayed. The students having attendance still less than 75% and are still common in the earlier (Second) month's defaulter list will be declared as defaulter.
10.	Academic Audit	Interdepartmental audit is conducted in every semester by Academic Monitoring Committee (AMC) for quality assurance. Course file, Academic Diaries, C.O. – P.O. attainment, CIE result analysis of current semester & ESE result analysis of previous semester are assessed during the audit. Academic summary report showing status of completion of course conduction, is to be prepared at the end of semester by respective Departmental Academic Coordinator.
11.	ERP	Following activities are to be done by using ERP. a) Faculty Profile b) Students Attendance c) OBE d) Students Feedback e) Online Quiz f) Result analysis g) All academic activities

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Department of Information Technology Engineering

Continuous Internal Evaluation - II

Class: BTech **Year: 2022-23** **Sem: II** **Subject: Software Testing**

Date: 12/05/2023 **Time: 02.15 pm to 03.15 pm** **Max Marks: 30**

1	**Solve following MCQs (1 Mark Each)**	CO
1	Software tester should be involved very early during development phase of a project. a. True b. False	CO1
2	Which of below is not types of product metrics are_____. a. process b. project c. progress d. productivity	CO1
3	Size and Complexity are a part of a. Product Metrics b. Process Metrics c Project Metrics d. None of the above	CO1, CO2
4	The test levels are performed in which of the following order? a. Unit, Integration, System, Acceptance b. It is based on the nature of the project c. Unit, Integration, Acceptance, System d. Unit, System, Integration, Acceptance	CO1 CO2
5	Boundary value analysis is a test design technique that complements ..... a Condition testing b. Graph-based testing c. Equivalence partitioning d. loop testing	CO3
6	In order to write black box test cases we need the _____ a requirementdocument b.design c.projectplan d.All of above	CO3
2.	**Attempt any 3 (8 Marks Each)**	
	A. Explain the test case design strategies using the Black box approach to Test Case Design -Boundary value analysis	CO1,2
	B. Explain the test case design strategies using the White lack box approach to Test Case Design- Coverage and control flow graphs	CO2,
	C. What are the skills needed for automation?	CO3
	D. Explain different types of Metrics. Explain any 1 in details	CO3, CO4

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Department of Information Technology

Continuous Internal Evaluation - II

Year: 2022-23 Sem: II

Class: BTech

Subject: Software Testing Max Marks: 30

Answer Key

Q. 1		SOLVE MCQs. (1 MARKS EACH)	Total
		1 a 2 a 3 a 4 b 5 c 6 d	6
Q. 2	1)	Diagram-1M Boundary value analysis explanation-7M	8
	2)	Diagram-1M Coverage and control flow graphs explanation-7M	8
	3)	Explanation -8M	8
	4)	List of Metrics -1M Explanation -7M	8

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Sem - II

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Inform... ...ment
Contin... (CIE) - 2

Class & Div. BTech Roll No - 21 Date 12/05/23

Subject Software testing.

Que. Numbe	a	b	c	d	8	Total
Marks Obt.	4	7	6	5	—	22

30

Q1

i) a) True

ii) c) progress

iii) a) Product metrics

iv) a) unit, integration, system, Acceptance

v) c) Equivalence partitioning

vi) d) All of above.

P.2

i) Test case design strategy using black box approach to test design-

(9)

boundry value analysis:

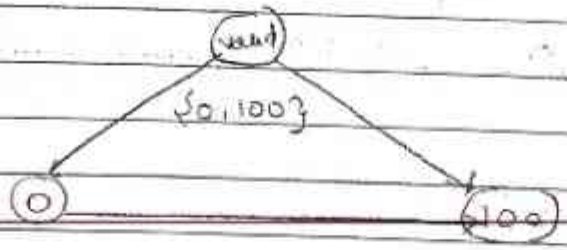
(1) boundry value analysis is the black box testing approach.

(2) In this software testers can test the product is valid or invalid performance.

(3) In the valid form of approach the condition will be checked at the boundry.

(4) If two boolean design case studies are studied then the strategy will be true or False.

(5) If the given range of the test case is valid then it must will be in proper case.



(6) Above Fig shows the range between the 0 and 100 will be the valid values for analysis.

(7) The given input gives to the machine & then machine will shows the reason for the boundries.

(8) Bourdry value analysis is test design technique that compliments to equivalence portioning

(9) It gives.

i) lowest value

ii) one above lowest value

iii) Nominal

iv) one below Highest value

v) Highest value.

(10) For e.g.

consider the student age between 18 to 57 is valid age

a) lowest value = 18

b) one above lowest value = 18+1 = 19

c) Nominal = 37

d) one below highest value = 57-1 = 56

e) Highest value = 57.

invalid	valid	invalid
17		
	18, 19, 37, 56, 57	
		58

(11) In Black box approach this boundry value analysis, the boundries value will be checked the values are valid or invalid.

Q)

ii) Test case design strategies using white fact box approach to test case design

coverage & control Flow graph:

(1) In the coverage & control Flow graph. the graph of the test design will be checked.

(2) The graph indicates the which loop testing will be executed according to the strategies.

(3) This coverage & Flow graph are also called the loop testing.

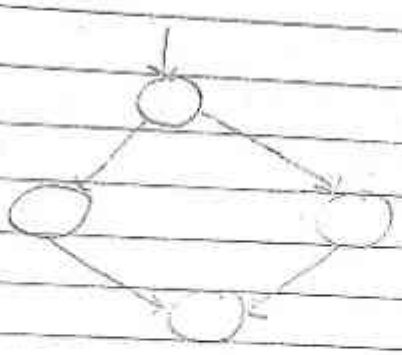
(4) This loop will give the direction of Yes / No conditions while executing.

(5) There are 4 loop statements as follows.
1) IF - else
2) while
3) do - while
4) For

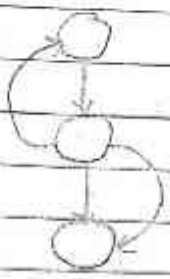
(6) If the any of the loop will executed in the if-else loop states that the IF the condition of if will executed or the else condition will be executed.

(7) If the do - while condition gets then the do condition is states when the while loop wants to exceed the graph.

i) if-else



ii) While



iii) do-while

iv) For.

Advantages of coverage & control Flow graph-

1) Equivalence to the partioning of each & every graph.

2) Easily located.

Q.2

iii) Automation testing:

Automation testing is type of software testing in which the tools or products can be checked in quality, assurance of the product in the manner

Skills needed for automation are as follows:

1) Must knowledge of programming languages.
2) Good communication skills.
3) Good knowledge of tool script.
4) knowledge for representation
5) Prior knowledge of input/output cases
6) Efficiency in work.

1) Must knowledge of programming languages:

Automation tester have the knowledge of all programming languages that the tester must have the capacity to analyzing their performance in customizing the process tools. If the automation tester have the knowledge then it will be analyzed upcoming performance.

2) Good communication skills -

If the tester have good communication skills the easily data can be communicate or deal with further prerequisite.

communication skill increases the performace & to represent their strategy to the languages.

3) Good knowledge of tool script:

If the tester have the good knowledge of tool script then the code of the given testing tool will be analysis will be found.

If the given tool script will gives the best test case design then the each & every line of code will be tested.

4) knowledge for representation:

If whole program will ready & then the knowledge of every code will be executed & then the execution for representation and best representation will satisfies the skills.

5) prior knowledge of input/output codes:

In fact the tester have prior knowledge of input & output strategy of the given conditions They must have the valid & invalid form of data & then cases will be studied.

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Information Technology Department

ContinuousInternal Evaluation (CIE) No.: 02

MARK SHEET

Class: BTech (IT) **Sem.:** II **Year:** 2022-23

Subject: Software Testing **Date of Exam:** 12/05/2023

Roll No.	Q. 1 Marks	Q. 2 Marks				Total Marks (Out of 20)
	6	A	B	C	D	
	CO1-CO3	CO2	CO2	CO5	CO3	
01	2	-	-	4	-	06
02	2	-	-	4	-	06
03	2	-	-	3	3	08
04	2	-	2	3	2	08
05	4	-	2	7	3	16
06	2	-	5	7	6	20
07	2	-	3	7	5	17
08	2	-	3	7	5	17
09	2	4	4	-	2	12
10	2	7	6	-	3	18
11	2	4	1	-	5	12
12	-	-	-	-	-	AB
13	2	-	6	2	4	14
14	2	4	-	7	-	13
15	2	-	6	-	-	08
16	2	3	-	7	-	12
17	3	4	-	7	-	14
18	4	6	-	7	3	20
19	4	6	-	5	1	16
20	4	5	-	-	7	16
21	4	7	6	5	-	22
22	4	5	6	6	-	21
23	4	3	7	-	1	15
24	4	-	7	7	3	21
25	4	5	6	6	-	21
26	-	-	-	-	-	AB
27	-	-	-	-	-	AB
28	-	-	-	-	-	AB
29	2	6	6	-	3	17
30	-	-	-	-	-	AB
31	2	7	-	7	-	16
32	2	7	-	6	-	15
33	-	-	-	-	-	AB
34	3	7	-	7	3	20
35	3	7	-	7	3	20
36	1	7	7	6	-	21
37	1	7		4	2	14

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38	-	-	-	-	-	AB
39	2	4	5	-	3	14
40	1	5	-	7	-	13
41	2	6	-	7	-	15
42	3	-	3	4	-	10
43	3	-	5	2	3	13
44	3	-	-	1	0	04
45	4	-	5	5	5	19
46	3	-	-	-	-	03
47	3	1	-	-	-	04
48	3	-	-	-	-	03
49	1	-	-	-	-	01
50	-	-	-	-	-	AB
51	0	2	2	2	-	06
52	0	-	-	-	-	00
53	3	-	-	-	-	03
54	2	5	-	3	-	10
55	1	4	4	-	3	12
56	-	-	-	-	-	00
57	2	7	2	8	-	19
58	4	1	-	2	-	07
59	4	4	-	4	4	16
60	-	-	-	-	-	AB
61	-	-	-	-	-	AB
62	2	-	-	-	-	02
63	2	-	-	-	-	02
64	1	-	-	-	-	01
65	2	-	-	-	-	02
66	1	-	-	-	-	01
67	3	1	-	-	-	04
68	3	-	-	-	-	03
69	3	-	-	-	-	03

Name of Faculty: Prof. A. G. ChendkeSignature of Faculty:

Total Students Appeared:59Total Students Passed:34Total Students Failed:25

Passing Percentage: 59.62%Failure Percentage:42.38%

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DR. J.J.MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Dr. J.J. Magdum Trust's (No. E/902)

Dr. J.J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

Document

CIE-II Result Analysis

DR. J.J.MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR 416101

Scanned with OKEN Scanner

Date: 20/05/2023

Class: SY IT

Continuous Internal Evaluation-II (CIE-II) - Result Analysis (Year- 2022-23 SEM-II)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	Computer Network	71	68	61	90%	07	Prof. P. R. Desai	Remedial classes will be arranged for failed students
2	Computer Organization and Architecture	71	66	62	92.17%	04	Prof. S. J. Chougule	Remedial classes will be arranged for failed students
3	Data Structures	71	68	62	91.17%	06	Prof. R. A. Bharatiya	Remedial classes will be arranged for failed students
4	Theory of computation	71	68	55	80.88%	13	Prof. A. S. Patil	Remedial classes will be arranged for failed students
5	Software Engineering	71	68	62	91.17%	06	Prof. P. A.Tamgave	Remedial classes will be arranged for failed students

Prof. P. A. Tamgave
Exam Co-ordinator

Prof. J. T. Patil
Academic Co-ordinator

Dr. J.J. Magdum College of Engineering, Jaysingpur I.T. Dept.

Prof. R. A. Bharatiya
H.O.D.

Dr. J.J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

Date: 20/06/2023

Class: TY IT

Continuous Internal Evaluation-II (CIE-II) - Result Analysis (Year- 2022-23 SEM-II)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	Computer Graphics	77	71	70	98.59%	01	Prof. A. G. Chendke	Remedial classes will be arranged for failed students
2	Information Security	77	71	70	98.61%	01	Prof. P. A. Tamgave	Remedial classes will be arranged for failed students
3	Internet Technology	77	72	71	98.61%	01	Prof. J. T. Patil	Remedial classes will be arranged for failed student
4	Open Elective: Cyber Security	77	71	70	98.59%	01	Prof. A. S. Patil	Remedial classes will be arranged for failed students
5	Operating System-II	77	67	58	80.55	09	Prof. S. B. Holkar	Remedial classes will be arranged for failed students

Prof. P. A. Tamgave
Exam Co-ordinator

Prof. J. T. Patil
Academic Co-ordinator

I.T. Dept.

Prof. R. A. Bharatiya
H.O.D

Dr. J.J. Magdum Trust's (No. E/902)

Dr. J.J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

Document

CIE-II Result Analysis

Date: 20/05/2023

Class: BTech IT

Continuous Internal Evaluation-II (CIE-II) - Result Analysis (Year- 2022-23 SEM-II)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	Machine Learning	69	62	53	86%	09	Prof. P. R. Desai	Remedial classes will be arranged for failed students
2	Cloud Computing	69	63	35	55.55%	28	Prof. J.T. Patil Prof.P.R.Patil	Remedial classes will be arranged for failed students
3	Ele-II- Business Intelligence	69	67	63	94.01%	04	Prof. S. B. Holkar	Remedial classes will be arranged for failed students
4	Ele-III-Software Testing	69	59	34	59.62%	25	Prof. A.G. Chendke	Remedial classes will be arranged for failed students

Prof. P. A. Tamgave

Prof. J. T. Patil
Academic Co-ordinator

Prof. R. A. Bharatiya
HOD

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Department of Information Technology

Continuous Internal Evaluation - I

Class: SY Year: 2022-23 Sem: II Subject: Software Engineering

Date: 10/03/2023 Time: 12.30 to 1.30 PM Max Marks: 30

Q1.	Solve following MCQs (1 Mark Each)	CO
i.	Software is defined as _____ a) set of programs, documentation & configuration of data b) set of programs c) documentation and configuration of data d) None of the mentioned	1
ii.	Who is the father of Software Engineering? a) Margaret Hamilton b) Watts S. Humphrey c) Alan Turing d) Boris Beizer	1
iii.	Which of the following document contains the user system requirements? a) SRD b) DDD c) SDD d) SRS	1
iv.	What is the first step in the software development lifecycle? a) System Design b) Coding c) System Testing d) Preliminary Investigation and Analysis	2
v	What does SDLC stands for? a) System Design Life Cycle b) Software Design Life Cycle c) Software Development Life Cycle d) System Development Life cycle	2
vi	_____ is a software development life cycle model that is chosen if the development team has less experience on similar projects. a) Iterative Enhancement Model b) RAD c) Spiral d) Waterfall	2
Q2	Attempt any 3 (8 Marks Each)	
	i. What is Software Engineering? Why it is necessary and Explain Cost, Schedule and Quality.	1
	ii. Explain different components of software process	2
	iii. Enlist SDLC Models and explain any Two	2
	iv. What is Water fall Model? What is differehce between verification and validation	2

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Department of Information Technology

Continuous Internal Evaluation- I

Year: 2022-23 Sem: II

Class: SY Subject: Software Engineering Max Marks: 30

Answer Key

Q. 1		SOLVE MCQs. (1 MARKS EACH)	Total
		1 C 2 b 3 d 4 d 5 c 6 c	6
Q. 2	1)	Explanation of Software Engineering - 2M Explain Cost, Schedule and Quality each of 2M	8
	2)	components of software process-8M	8
	3)	Enlist SDLC Models-2M explain any Two-6M	8
	4)	Explain Water fall Model-3M What is difference between verification and validation-5M	8

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Class & Div. SY Roll No - 14 Date 10-3-23.

Subject Software engineering

Que. Number	1	8	9		8	Total
Marks Obt.	6	7	8	8		29

Sign of Supervisor ..... Signature .....

1. a) set of programs, documentation and configuration of data.

2. b) watts S. Humphrey.

3. d) SRS.

4. d) Preliminary Investigation & Analysis.

5. c) software development life cycle.

6. c) Spiral.

6

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7)

i) Software engineering-

- Software engineering the the process of designing, creating, testing and maintaining the software.
- Software engineering involves the systematic approach to the development of software using engineering princip and methods to ensuring the software is reliable, effective and easy to maint

• Necessary :→

- Software engineering is necessary because software has becomes an essential part of daily lives.
- Software engineering is used to almost all aspects of moderlife. from communication to transportation & from hel healthcare to the finance.

Software has an important role to develop in systematic and displined way

There are 3 main key factor that carring the software.

1) cost
2) shedule
3) quality

1) cost :-

The cost of development of software include Not only direct cost of developement but also indirect cost of maintanance, support and training

2) shedule -

The shedule of software development process includes estabing the time

required for the phase of the development and controling / coordinating the activities of the development complete in correct time.

2) quality :-
- The ability of software development includes usability, realibility, maintainability and performance.
- The managing qualities involves the defining & measuring the quality criteria, testing and checking the quality defect and continuously identifing the software through feedback and analysis.

3. list of SDLC models.
1) waterfall model
2) Iterative model
3) spiral model
4) V model
5) Increment model
6) Agile model
7) RAD model.
8) Big Ban model.

1) waterfall model :->
- The classical waterfall model is the simplest model for the development of software paradigm.
- It says that all phases of SDLC will function one after another in linear manner that. ie.
- The First stage is finished then only in goes to the next step and so on.

Requirement gathering

↓

System analysis

↓

Designing

↓

~~coding testing~~

↓

coding

↓

testing

↓

Implimentation

↓

operations & maintainance.

Fig waterfall model

- In waterfall model, it involves the everything is carried out perpectly and taken place to perfectly in the next privious step. There are no needs to think about the past issues that may aries in the next step.
- The model does not work smoothly, there is some issue left in the previous steps. The sequential nature of development is go back & undo or redo our operation

2) Iterative model.

- This model leads to process of software development in iteration.

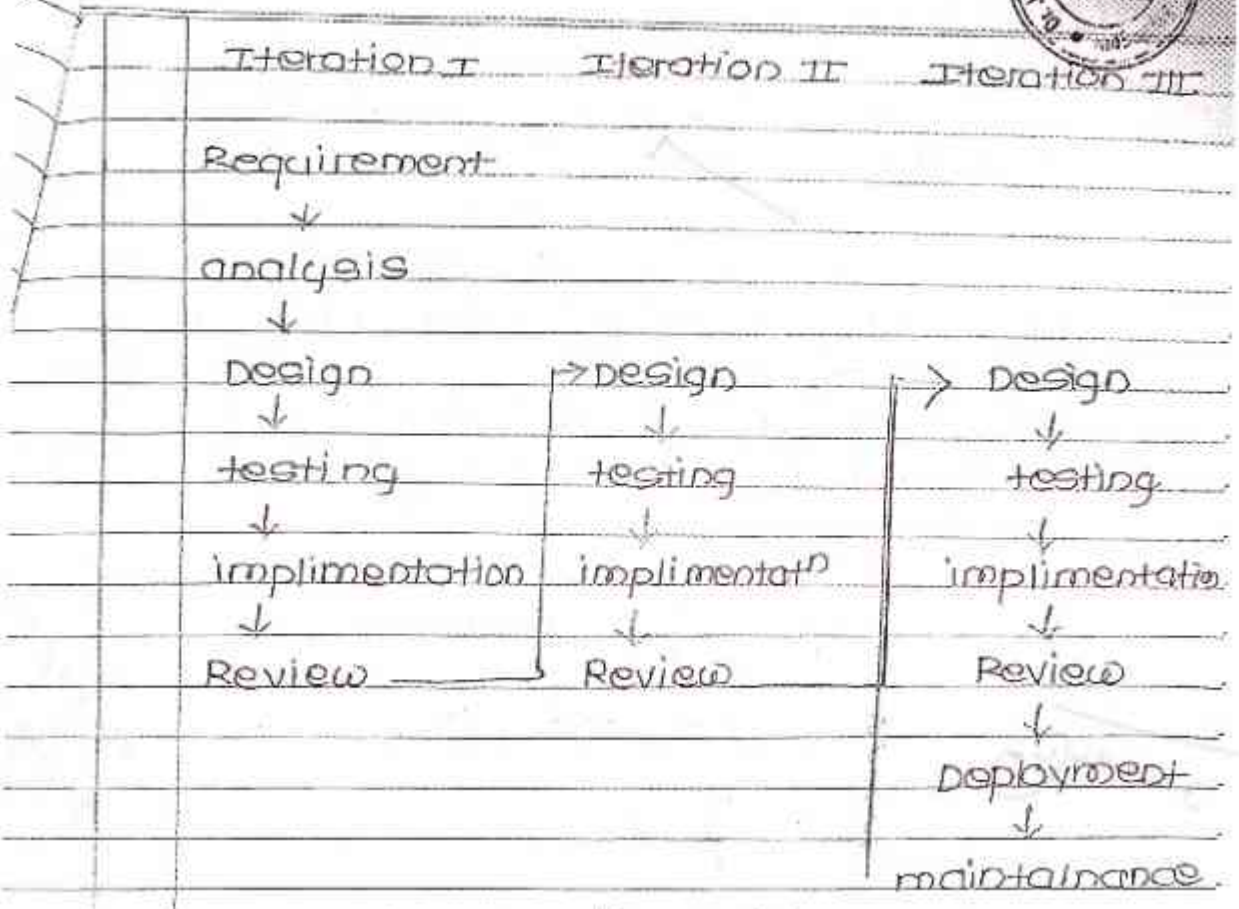

Fig. Iterative model

- This model projects that the process of software development is in cyclic manner repeating ~~ea~~ every stage after the every cycle of the SDLC process
- The software is ~~1st~~ developed ~~by~~ in every small scale and all step are taken in to the consideration. more features and modules are designed, tested coded & added in to the software.
- Every ~~exe~~ cycle produce a software with complete in itself and has more capabilities & features for the privious stage.
- The management team do some work for ~~a~~ risk management and prepare for next iteration.
- this is the iterative model.

11. waterfall model-

- The classical waterfall model is the simplest model for the development of software paradigm.
- It say that all phases of SDLC will function one after another in linear manner.
- that means. If the first stage is finished then only it is go to the second step & so on.

Requirement gathering
↓
System analysis
↓
Designing
↓
coding
↓
testing
↓
Implimentation
↓
operation & maintanance.

Fig. waterfall model

in this model it involves the everything is carried out & taken place for privious step.
There are no needs to think about past issue that may arise in the next stages.
The model does not work smoothly there is some issues are left in the previous step. The sequential nature of development of software is go back & undo or redo our operations

Difference ⇒

Verification	Validation.
1 Verification means are we building the software right?	validation means Are we building the right software?
2 verification is the static testing.	validation is the dynamic testing.
3 It involves the the document checking, design, code & program.	It involves the testing and valiting the actual product
4 It does not include execution of code.	It includes the execution of code
5 It comes before validation	It comes after verification
6 The goal is application software architecture and specification	It goals is the actual product
7 Method involving in verification are review desk checking walkthrough inspection	Method involving in validation are 1) Black box checking 2) white box checking 3) Non-Functional checking
8 It can find the bugs only the	It can find only the bugs that is

SE (IT) - April

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	early stage of development.	found by the verification process.
9.	Quality accurance eg team does verification.	validation is excuted the code with the help of testing eg team.
10.	It checks the software confume to specification or not	It checks the software meets to the requirements of the customer or not.

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ContinuousInternal Evaluation (CIE) No.: 01

MARK SHEET

Class: BTech(IT) Sem.: II Year: 2022-23

Subject: Software Testing Date of Exam: 10/03/2023

Roll No.	Q. 1 Marks	Q. 2 Marks				Total Marks (Out of 20)
	6	A	B	C	D	
	CO1-CO2	CO	CO	CO	CO	
01	5	-	7	4	5	21
02	5	7	-	3	5	20
03	4	-	-	-	-	04
04	4	-	-	-	-	04
05	6	8	7	7	-	28
06	6	7	-	8	6	27
07	6	7	8	8	-	29
08	6	7	2	6	-	21
09	5	7	8	4	-	24
10	6	6	8	6	-	26
11	5	8	5	4	-	22
12	-	-	-	-	-	AB
13	5	-	5	3	4	17
14	6	5	7	6	-	23
15	6	6	8	-	5	26
16	5	6	7	8	-	26
17	6	7	7	-	7	27
18	5	1	6	4	-	16
19	5	-	7	6	-	18
20	6	-	8	8	1	22
21	6	8	-	8	7	29
22	6	7	7	5	-	25
23	6	5	6	5	-	22
24	6	6	7	8	-	27
25	-	-	-	-	-	AB
26	6	8	8	7	-	29
27	6	-	4	5	-	15
28	6	8	7	5	-	26
29	5	6	7	-	6	24
30	5	7	5	5	-	22
31	5	7	8	-	6	26
32	5	8	7	4	-	24
33	6	8	7	4	-	25
34	6	7	7	8	-	28
35	6	7	7	8	-	28
36	5	7	7	8	6	26
37	6	3	5	8	-	22

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38	6	6	7	7	-	26
39	6	7	7	6	-	26
40	6	8	-	8	-	22
41	6	6	7	4	-	23
42	6	8	7	5	-	26
43	6	7	-	8	6	27
44	6	7	-	2	8	23
45	6	8	-	7	8	29
46	6	7	7	8	-	28
47	6	-	6	3	-	15
48	6	7	6	8	-	27
49	6	5	5	7	-	23
50	6	5	5	8	-	22
51	6	5	7	4	-	22
52	6	-	-	8	7	21
53	6	-	6	8	5	24
54	6	8	7	8	-	29
55	6	7	7	7	-	27
56	6	8	8	-	7	29
57	6	8	8	7	-	29
58	-	-	-	-	-	AB
59	6	8	8	7	-	29
60	6	7	7	8	-	28
61	6	-	6	-	-	12
62	6	7	2	5	-	20
63	6	8	7	6	-	27
64	6	8	7	7	-	28
65	6	7	6	7	-	25
66	6	7	6	6	-	25
67	6	8	7	7	-	28
68	6	6	6	7	-	25
69	6	-	-	8	4	18

Name of Faculty: Prof. A. G. ChendkeSignature of Faculty: _____

Total Students Appeared:66Total Students Passed:64Total Students Failed:02

Passing Percentage: 96.96%Failure Percentage:3.04%

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Class: BE IT

Continuous Internal Evaluation-I (CIE-I) - Result Analysis (Year- 2022-23 SEM-II)

Date: 23/03/2023

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	Machine Learning	69	66	62	93.93%	04	Prof. P. R. Desai	Remedial classes will be arranged for failed students
2	Cloud Computing	69				----	Prof. J.T. Patil Prof. P. R. Patil	----
3	Ele-II- Business Intelligence	69	67	63	94.01%	04	Prof. S. B. Holkar	Remedial classes will be arranged for failed students
4	Ele-III-Software Testing	69	66	64	96.96	02	Prof. A.G. Chendke	Remedial classes will be arranged for failed students

Prof. P. A. Tamgave
Exam Co-ordinator

Prof. J. T. Patil
Academic Co-ordinator

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I.T. Dept.

Prof. R. A. Bharatiya
H.O.D.

Dr. J.J. Magdum Trust's (No. E/902)

Dr. J.J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

Document

CIE-I Result Analysis

Date: 23/03/2023

Class: TY IT

Continuous Internal Evaluation-I (CIE-I) - Result Analysis (Year- 2022-23 SEM-II)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	Computer Graphics	77	73	71	97.26	02	Prof. A.G. Chendke	Remedial classes will be arranged for failed students
2	Information Security	77	73	71	97.26	02	Prof. P. A. Tamgave	Remedial classes will be arranged for failed students
3	Internet Technology	77					Prof. J. T. Patil	
4	Open Elective: Cyber Security	77	74	73	98.64%	01	Dr. S. S. Solapure	Remedial classes will be arranged for failed students
5	Operating System-II	77	73	73	100%	00	Prof. S. B. Holkar	----

Prof. P. A. Tamgave
Exam Co-ordinator

Prof. J. T. Patil
Academic Co-ordinator

Prof. R. A. Bharatiya
H.O.D.

I.T. Dept.

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Department of Information Technology

CIE-I Result Analysis

Class: SY IT

Date: 23/03/2023

Continuous Internal Evaluation-I (CIE-I) - Result Analysis (Year- 2022-23 SEM-II)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	Computer Network	71	67	56	84%	11	Prof. P. R. Desai	Remedial classes will be arranged for failed students
2	Computer Organization and Architecture	71	69	68	98.55	01	Prof. S. J. Chougule	Remedial classes will be arranged for failed students
3	Data Structures	71					Prof. R. A. Bharatiya	
4	Theory of computation	71	67	51	76.11%	11	Prof. S. S. Solapure	Remedial classes will be arranged for failed students
5	Software Engineering	71	67	65	97.01%	02	Prof. P. A.Tamgave	Remedial classes will be arranged for failed students

Prof. P. A. Tamgave
Exam Co-ordinator

Prof. J. T. Patil
Academic Co-ordinator

Prof. R. A. Bharatiya
H.O.D.

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Dr.JJMagdum Trusts

Dr. J .J. Magdum College of Engineering, Jaysingpur.

Department of Information Technology Engineering

Continuous Internal Evaluation - II

Class: SY | Year: 2022-23 | Sem: I | Subject: DSM

Date: 16/12/2022 | Time: 12.00 pm to 1.00 pm | Max Marks: 30

1	**Solve following MCQs (1 Mark Each)**	
1	The main purpose of Accumulator register of 8085 is _____ a. temporary data storage b. section of peripheral c. used as primary pointer d. permanent data storage	CO 3
2	Which is the type of microcomputer memory: a. Processor memory b. Primary memory c. Secondary memory d. All of these	3
3	8085 is a _____bit Microprocessor. a. 8 b.16 c. 32 d.64	3
4	The output of the sequential circuit depends upon _____. a. Present input b. Past Input c. Present input and present state d. None of the above	2
5	What is the standard form of S-R flip flop? a. Set Reset b. Simple-Reset c. Single-Reset d. None of the above	2
6	The highest priority interrupt in 8085 is: a. TRAP b.RST6.5 c. INTR d. RST7.5	3
2.	**Attempt any 3 (8 Marks Each)**	
	1. Explain the half adder and Full adder in details.	2
	2.Minimize the function using K-Map F=∑m (1,5,6,12,13,14) +d(2,4)	2
	3.With block diagram explain 8085 Microprocessor.	3
	4. Explain the different Instruction set in 8085.	4

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Continuous Internal Evaluation - II

Year: 2022-23 Sem: I

Class: SY

Subject: Digital System And Microprocessor

Max Marks: 30

Answer Key

			Total
Q. 1		SOLVE MCQS. (1 MARKS EACH)	
		1 a 2 d 3 a 4 c 5 a 6 a	6
Q. 2	1)	Half Adder-4M Full Adder-4M	8
	2)	K-map with mapping-7M Final Equation-1M	8
	3)	Block diagram -2M Explanation -6M	8
	4)	List of Instruction -1M Explanation of each Instruction set-7M	8

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Dr.J.J.Magdum College of Engineering, Jaysingpur
Information Technology Department
Continuous Internal Evaluation (CIE)

Class & Div: B.E. I.T Date: 14/10/22
Subject: Mobile computing
Que. No.: 1 2 3 4 5 | Total
Marks Obt.: 5 7 8 8 — | 28/30
Good
Sign. of Supervisor Sign. of Examiner

MCQ.

1] sending data from one location to another without the use of physical medium

2] All of the mentioned.

3] limited coverage area

4] propogation mechanism

5] large

6] channel coding

Q7)

1) 1) Radio communication -
Application - personal communication
Radio provide ease of communication between device having same frequency

• Radio Broadcast - -
It include radiostation talk show & news it plays - on important role in the line of comm^n rescue enforcement of the law.

• Emergency system -
Radio communication plays an important role in line communication rescue enforcement of law & search.

2) cellular / mobile communication -
Application - Integration with telephone system - The mobile N/w enables the mobile to connect with the cloud - tek-phone-system

• voice communication -
one can do voice call using the cellular N/w this application has increased its popularity

• phone internet - -
It provides the access to the internet without being connected to wi-fi or wired network

3) wi-fi communication -
Application
Internet - wifi provides high-speed internet to user the speed depend on the quality of code cables

• Video conference -
It make video conference less expensive than cellular data with excellent quality.

4) Bluetooth -
Application -
The connection between device -
It premits connection between mobile & headphone, laptop.

• Ad Hoc Network -
An Ad Hoc is one of the imp. application of blueetooth. It allowded in an instant connection with another bluetooth device

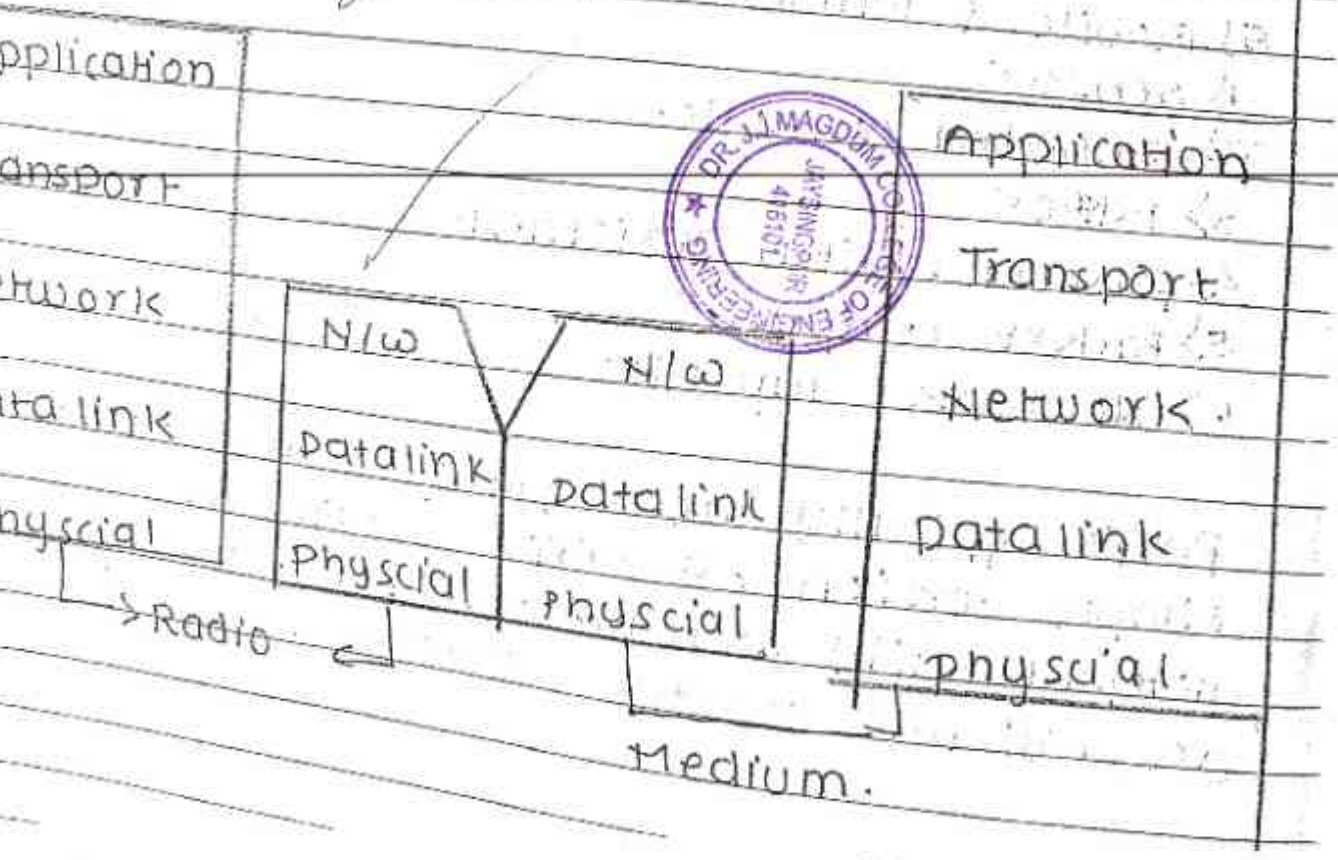
• PDA -
Bluetooth provide a personal digital assistant

5) Mobile & wireless devices -
1) sensor
2) Embeded controller
3) Pager
4) personal digital Assistant
5) Packet computer
6) Notebook / laptop.

PDA's typically accompany a user or offer simple version of office software exc notepad mail) web browser & other packages are available in this devices.

B) The refrence model is the basic template or foundation to which model properties are added. The model device N/W communication into five layers.
- 1-4 consider lower layer & mostly concern themselve with moving data around layer 5
- The upper layer contain application of data
- Network operate to one basic principal pass on each layer & then passes the data on the next layer

simple N/W & Refrence Model



(1) Roll-08

SBH.

End system -
The PDA & computer in the example need a full protocol stack comprising the appln layer transport layer & physical layer.

Intermediate system -
The internetworking unit do not necessarily need all of the layer.

Functions of each layer -

1) physical layer -
a) Conversion of a stream of the bits into a single
b) Transform the signal bits into a bit stream
c) modulations of data on the carrier frequency & encryption

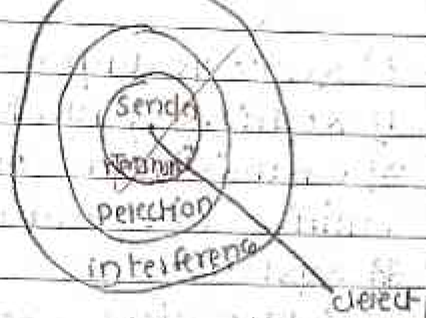
2) Data link layer -
1) Accessing the medium
2) Multiplexing diffn data stream
3) correction of transmission error & synchronization.

3) Network layer -
1) Routing packet through N/W
2) establish a connection between two entities over many other intermediate
3) system.
3) Addressing, routing, device location between different network.

4) Transport layer -
1) Establish an end-to-end communication
2) other important responsibility of this layer are quality of service flow & congestion control.

5) Application layer -
1) service location support for multitimes application addaptive appln that can handle the large variable

c)
Ans Signal propogation
like wired networks, wireless communication networks also have sender & receiver of signal.
However, in connection with signal propogation
- The movement of radio wave from a transmitter to a receiver when the wave travel from one point to another, they are like light waves, affected by different phenomenon.
Such as -
1) Fading
2) shadowing
3) reflection depending on density medium
4) scattering small obstacles
5) difference at edge

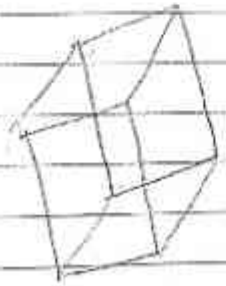


1) Fading -
- In wireless communication, Fading is variation of authentication of signal with various variables

- Fluation of strength of signal received at

2) Shadowing / Blocking :-

- extreme form of authentication is known as blocking of shadowing of radio signal.



E:g shadowing, street mucks, wall tree.

- This happens due to large obstacle other sources of shadow are simple walls, a muck on street or trees.

3) Reflection.

- If object is large as compared to wavelength of signal
- For e:g huge building, mountains or surface of earth.
- The signal is reflected.
- The reflected signal is not strong as original, as object can absorb signal power.

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Information Technology Department

Continuous Internal Evaluation (CIE) No.: 02

MARK SHEET

Class: SY (IT) Sem.: I Year: 2022-23

Subject: DSM Date of Exam: 16/12/2022

Roll No.	Q. 1 Marks	Q. 2 Marks				Total Marks (Out of 20)
	6	1	2	3	4	
01	4	4	4	-	-	12
02	4	7	0	2	-	13
03	4	7	3	-	-	14
04	4	7	4	2	-	17
05	5	8	4	2	-	19
06	4	7	0	3	-	14
07	5	7	8	5	-	25
08	5	8	8	6	-	27
09	4	4	2	3	-	13
10	5	6	4	2	-	17
11	5	7	4	-	6	22
12	5	7	4	7	-	23
13	5	7	4	4	-	20
14	4	7	5	3	-	19
15	5	8	4	-	-	17
16	5	7	4	2	-	18
17	4	7	4	-	-	15
18	4	6	4	-	-	14
19	4	6	4	-	-	14
20	3	6	8	1	-	18
21	4	8	8	7	-	27
22	4	6	8	2	-	20
23	4	7	4	-	-	15
24	5	5	-	6	7	23
25	6	8	7	6	-	27
26	-	-	-	-	-	AB
27	4	6	4	1	-	15
28	5	7	4	4	-	20
29	5	7	0	-	6	18
30	4	8	4	-	6	22
31	-	-	-	-	-	AB
32	6	7	4	-	-	17
33	6	8	6	4	-	24
34	6	8	7	6	-	27
35	5	7	-	1	-	13
36	6	7	8	1	-	22
37	4	6	4	1	-	15
38	5	7	-	-	-	12

Magdum College of Engineering, Jaysingpur

IT

Date: 07/12/2022

Class: TY IT

Continuous Internal Evaluation-II (CIE-II) - Result Analysis (Year- 2022-23 SEM-I)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	**OS-I**	77	74	69	93.24%	05	Prof. S. B. Holkar	Remedial classes will be arranged for failed students
2	**DB**	77	74	73	98.64%	01	Prof. P.A. Tamgave	Remedial classes will be arranged for failed students
3	**CA**	77	74	70	94.59%	04	Prof. J. T. Patil	Remedial classes will be arranged for failed students
4	**HCI**	77	73	65	89.04	08	Prof. S.S. Solapure	Remedial classes will be arranged for failed students
5	**SP**	77	73	67	92%	06	Prof. P. R. Desai	Remedial classes will be arranged for failed students

Prof. P. A. Tamgave
Exam Co-ordinator

Dr. J. J. Magdum College of Engg. Jaysingpur
Department of Information Technology
Jaysingpur - 416101

Prof. J. T. Patil
Academic Co-ordinator

Dr. J. J. Magdum College of Engineering, Jaysingpur
I.T. Dept.

Prof. R. A. Sanadi
H.O.D.

Dr. J.J. Magdum Trust's (No. E/902)

Dr. J.J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

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CIE-II Result Analysis

Class: BTECH IT

Date: 07/12/2022

Continuous Internal Evaluation-II (CIE-II) - Result Analysis (Year- 2022-23 SEM-I)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	**DC**	69	67	61	91%	05	Prof. P. A. Tamgave Prof. P. R. Patil	Remedial classes will be arranged for failed students
2	**MC**	69	67	63	94.03%	04	Prof. A. G. Chendke	Remedial classes will be arranged for failed students
3	**ADS**	69	66	58	87.87%	08	Prof. S. J. Chougule	Remedial classes will be arranged for failed student
4	**DS**	69	66	55	83.33%	11	Prof. S. J. Chougule	Remedial classes will be arranged for failed student

Prof. P. A. Tamgave
Exam Co-ordinator

Prof. J. T. Patil
Academic Co-ordinator

Dr. J. J. Magdum College of Engg. Jaysingpur
Department of Information Technology

Dr. J.J. Magdum College of Engineering Jaysingpur
I.T. Dept.

Prof. R. A. Sanadi
H.O.D

Dr.J.J.Magdum Trust's

Dr. J .J. Magdum College of Engineering, Jaysingpur.

Department of Information Technology Engineering

Continuous Internal Evaluation - I

Class: BTech | Year: 2023-24 | Sem: I | Subject: ADS

Date: 02/09/2023 | Time: 11.15 am to 12.15 pm | Max Marks: 30

		CO
1	**Solve following MCQs (1 Mark Each)**	
1	Which is one of the major important components of the relational database: a.Query execution b. Query process c. Query optimizer d. Query transaction	1
2	The system must create a query ____ plan before it can fully evaluate a query. a.Optimization b. Parser c. Translation d. Evaluation	1
3	To estimate the cost of the query ____, it is possible to determine the response time, i.e., the time it takes to execute the plan. a. Evaluation Time b. Query Time c. Plan Time d. Response Time	1
4	Relation Algebra is a procedural query language for _____. a.DBMS b. OLAP c. RDBMS d.All of the above	1
5	Using which language can a user request information from a database? a.Query b. Relational c. Structural d.Compiler	1
6	A relational database consists of a collection of_____ a.Tables b.Fields c. Records d. Keys	1
2.	**Attempt any 3 (8 Marks Each)**	
	A. Explain Query Processing and Optimization.	1
	B. Explain cost estimation for Sorting, Set operation.	1
	C. Explain Evaluation and Transformation of Expressions	1
	D. Explain in details types with example.	1

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Dr.J.J.Magdum Trusts

Dr. J .J. Magdum College of Engineering, Jaysingpur.

Department of Information Technology

Continuous Internal Evaluation - I

Year: 2023-24 Sem: I

Class: BTech IT Subject: ADS Max Marks: 30

Answer Key

Q. 1		SOLVE MCQs. (1 MARKS EACH)	Total
		1 b 2 d 3 d 4 c 5 a 6 a	6
Q. 2	1)	Diagram-1M Explanation-7M	8
	2)	cost estimation for Sorting- 4M cost estimation for Set operation-4M	8
	3)	Evaluation -4M Transformation- 4M	8
	4)	Explanation of Structured data-8M	8

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Magdum College of Engineering, Jaysingpur.

Information Technology Department

Continuous Internal Evaluation (CIE) No.: 01

MARK SHEET

Class: B Tech (IT) **Sem.: I** **Year: 2022-23**

Subject: Advanced Database System **Date of Exam:** 14/10/2022

Roll No	Q. 1 Marks	Q. 2 Marks				Total Marks (Out of 20)
	1	1	2	3	4	
01	6	7				13
02	4	6	3			13
03	6	2				8
04	6	2				8
05	6	4				10
06	6	6	7	2		21
07	6	7	6			19
08	6	5	6	5		22
09						0 AB
10	6	7	6	2		21
11	5	7	2			14
12						0 AB
13	6	6	7			19
14						0 AB
15	6	6	6	6		24
16	6	3	3			12
17	6	6	6			18
18	6	7	7	3		23
19	6	7	6	3		22
20	6	6	6	4		22
21	6	7	7	6		26
22	6	6	6		5	23
23						0 AB
24						0 AB
25	5	5	7		6	23
26	5	7	6			18
27	6	7			6	19
28	6	6	7		7	26
29	6	7	6		6	25
30	6	3	6		4	19
31	6	7	5	4		22
32	6	5	4		4	19
33	6	5	6			17
34	6	7	6		7	26
35	6	7	7		6	26
36	5	7	7		6	25
37	5	7	7		6	25

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38	5	7	6	1		19
39	5	7	4	5		21
40	6	7	5	2		20
41	6	5	2	2		15
42	6	5		5		16
43	6	7	7	2		22
44	6	5		3		14
45	6	7	6	6		25
46	6	7	5		5	23
47	0	0	0	0	0	0
48	6	6	4		6	22
49	6	6	6		5	23
50	6	6			4	16
51	6	5		4		15
52	6	6				12
53	6	6	5		4	21
54	6	5			6	17
55	6	7	7	7		27
56	6	3	5			14
57	5	6	7	3		21
58						0 AB
59	6	7	5	5		23
60	6	5	7			18
61						0 AB
62	6	6		3		15
63	6	5	4		4	19
64	6	7	3	5		21
65	6	5	4		5	20
66	6	7	6	4		23
67	6	6	6		3	21
68	6	6	5	1		18
69	6	5	5	2		18

Name of Faculty: Ms. S. S. Chogule Signature of Faculty: Schogule

Total Students Appeared: 62 Total Students Passed: 60 Total Students Failed: 02

Passing Percentage: 96.77 Failure Percentage: 3.33

Dr. J. J. Magdum College of Engineering, Jaysingpur
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Dr. J.J. Magdum Trust's (No. E/902)

Dr. J.J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

Document

CIE-I Result Analysis

Date: 21/10/2022

Class: SY IT

Continuous Internal Evaluation-I (CIE-I) - Result Analysis (Year- 2022-23 SEM-I)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	**SFS**	55	51	47	92.15%	04	Dr. D. B. Unde	Remedial classes will be arranged for failed students
2	**DSM**	55	51	48	94.11%	03	Prof. A.G. Chendke	Remedial classes will be arranged for failed students
3	**DC**	55	51	51	100%	----	Prof. S. B. Holkar	-----
4	**FEM**	55	51	18	35%	33	Prof. S. A. Nardekar	Remedial classes will be arranged for failed students
5	**DMS**	55	51	44	86.27%	7	Prof. S.S. Solapure	Remedial classes will be arranged for failed students

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Prof. P. A. Tamgave
Exam Co-ordinator

Prof. J. T. Patil
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Jaysingpur - 416101

Prof. R. A. Sanadi
H.O.D.

Class: TY IT

Continuous Internal Evaluation-I (CIE-I) - Result Analysis (Year- 2022-23 SEM-I)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	**OS-I**	77	73	72	98.63%	1	Prof. S. B. Holkar	Remedial classes will be arranged for failed students
2	**DB**	77	73	72	98.63%	1	Prof. P.A. Tamgave	Remedial classes will be arranged for failed students
3	**CA**	77	73	73	100%	----	Prof. J. T. Patil	-----
4	**HCI**	77	73	64	87.67%	9	Prof. S.S. Solapure	Remedial classes will be arranged for failed students
5	**SP**	77	73	59	81%	19	Prof. S. A. Nardekar	Remedial classes will be arranged for failed students

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Class: BTECH IT

Continuous Internal Evaluation-I (CIE-I) - Result Analysis (Year- 2022-23 SEM-I)

Sr. No	Subject Name	Total Strength	No. of Appeared Student	No. of Pass Student	Overall Passing %	No. of Fail Student	Name of Faculty	Action Taken
1	DC	69	65	53	81.53%	12	Prof. P. A. Tamgave Prof. P. R. Patil	Remedial classes will be arranged for failed students
2	MC	69	65	62	95.38%	03	Prof. A. G. Chendke	Remedial classes will be arranged for failed students
3	ADS	69	62	60	96.77%	02	Prof. S. J. Chougule	Remedial classes will be arranged for failed student
4	DS	69	61	61	100%	----	Prof. S. J. Chougule	-----

Prof. P. A. Tamgave
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