



**ARKA JAIN University**  
Jharkhand



**END SEM EXAMINATION**  
School of Engineering & IT

Branch **ME, CSE & EEE**

Program **Diploma**

Subject Name **Indian Constitution**

Semester **VI**

Year **April 2024**

- Start writing from 2nd page onwards; don't write on the 1st Page Backside
- Answer all Questions of Section A (Compulsory)
- Answer Any Four out of Six of Section B
- Answer Any Three out of Five of Section C

Time: 1.5 Hour  
Max. Marks : 35

• Possession of Mobile Phones or any kind of Written Material, Arguments with the Invigilator or Discussing with Co-Student will come under Unfair Means and will Result in the Cancellation of the Papers.

Knowledge Level (KL) K1: Remembering K3: Applying K5: Evaluating  
K2: Understanding K4: Analysing K6: Creating

**Section A (Each question Carry 01 Marks from Q1-i to Q1-x) – 10 Marks**

Q. N 1	QUESTIONS	Marks	Cos	KL	PO
i	Who was the first Prime Minister of India?	1	CO1	K2	PO1
ii	How many articles are in Constitution of India?	1	CO3	K1	PO2
iii	When was the Constituent Assembly of India formed, and who was its first president?	1	CO1	K1*	PO2
iv	What is the role of municipal corporation in local governance?	1	CO1	K3	PO2
V	Who was the chairman of the drafting committee of the Indian Constitution?	1	CO4	K1	PO1
vi	When constitution of India came into effect?	1	CO2	K2	PO1
vii	Name any two Directive Principles of State Policy mentioned in the Constitution.	1	CO2	K3	PO1
viii	Who is the constitutional head of the Indian Union?	1	CO3	K4	PO1
ix	What is the role of a state election commission in the electoral process?	1	CO1	K5	PO2
x	What is the significance of local administration in the context of governance?	1	CO2	K4	PO1

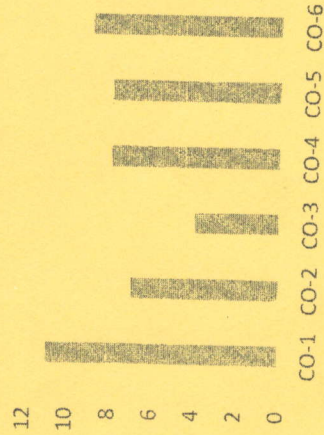
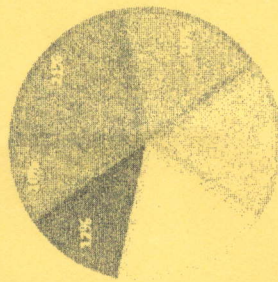
CO- Course Outcomes, **KL- Knowledge Level,** **PO – Program Outcome**

CO1	Recall historical background of the Indian constitution.
CO2	Observe importance for building democratic India, the structure of Indian government, the structure of state government, the local Administration
CO3	Develop the knowledge on directive principle of state policy, the knowledge in strengthening of the constitutional institutions like CAG, Election Commission and UPSC for sustaining democracy.
CO4	Analyze the History, features of Indian constitution, the role of Governor and Chief Minister, of state election commission, decentralization of power between central, state and local self-Government.
CO5	Assess Preamble, Fundamental Rights and Duties, Zilla Panchayat, block level organization, various commissions of viz SC/ST/OBC and women.
CO6	Create ideological framework relied upon by the framers of the Constitution of India, the system of government and role of judiciary by discussing and analyzing the rights and duties specified under the Constitution of India.

**GRAPHICAL REPRESENTATION**

BLOOM'S LEVEL WISE MARKS DISTRIBUTION

Course Outcome wise Marks Distribution



CO-1 CO-2 CO-3 CO-4 CO-5 CO-6



**Section B (Answer any FIVE out of SIX) - 10 Marks**

(Each question Carry 2 Marks)

Q.No.	QUESTIONS	Marks	Cos	KL	PO
2	Name any two Directive Principles of State Policy mentioned in the Constitution.	2	CO1	K2	PO1
3	What is the significance of the council of ministers in the functioning of the state government?	2	CO1	K1	PO2
4	What are the fundamental Rights?	2	CO3	K5	PO2
5	What is the significance of Rajya Sabha?	2	CO4	K3	PO2
6	What is the tenure of the chief election commissioner of India?	2	CO4	K5	PO1
7	Mention any two roles and responsibilities of a chief minister in a state government.	2	CO3	K4	PO1

**Section C (Answer any THREE out of FIVE) - 15 Marks-**

(Each question Carry 5 Marks)

Q. No.	QUESTIONS	Marks	Cos	KL	PO
8	Mention the difference between Directive Principles and Fundamental Rights.	5	CO1	K1	PO1
9	Short note on 'Zila Panchayat'.	5	CO2	K3	PO1
10	What are the powers of the president of India?	5	CO2	K4	PO2
11	What is the state secretariat, and what functions does it perform in the state government?	5	CO4	K2	PO2
12	What are the constitutional powers and functions of a governor in a state?	5	CO3	K6	PO2



04/05/2024 M 260

**ARKA JAIN University**  
Jharkhand

**NAAC GRADE A ACCREDITED UNIVERSITY**

**JGI**

END SEM EXAMINATION  
School of Engineering & IT

Branch	ME, CSE & EEE	Program	Diploma
Subject Name	Entrepreneurship and Start-ups	Semester	VI
		Year	April 2024

• Start writing from 2nd page onwards; don't write on the 1st Page Backside

• Answer all Questions of Section A (Compulsory)

• Answer Any Four out of Six of Section B

• Answer Any Three out of Five of Section C

• Possession of Mobile Phones or any kind of Written Material, Arguments with the Invigilator or Discussing with Co-Student will come under Unfair Means and will Result in the Cancellation of the Papers.

Time: 3 Hour  
Max. Marks: 70

Knowledge Level (KL)	K1 : Remembering	K3 : Applying	K5 : Evaluating
	K2 : Understanding	K4 : Analysing	K6 : Creating

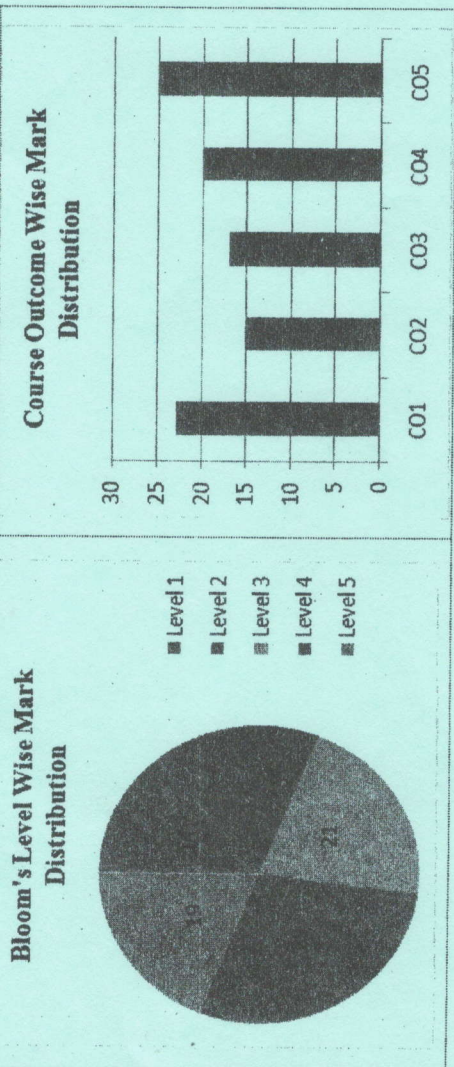
**Section A (Each question Carry 02 Marks from Q1-i to Q1-x) – 20 Marks**

Q. N1	QUESTIONS	Marks	COs	KL	PO
i	What do you mean by Entrepreneurship?	2	CO1	K1	PO1
ii	Define feasibility test.	2	CO5	K2	PO3
iii	How to Identify the target market?	2	CO5	K3	PO5
iv	Define motivation?	2	CO4	K1	PO1
v	Why competition evaluation is needed?	2	CO1	K4	PO2
vi	Define bankruptcy.	2	CO1	K1	PO1
vii	Highlight the advantages of License for any business.	2	CO1	K4	PO5
viii	What is the function of MUDRA project?	2	CO1	K1	PO1
ix	What is a risk analysis?	2	CO1	K3	PO1
x	Write the full form of PMEGP	2	CO1	K2	PO2

**CO- Course Outcomes, KL- Knowledge Level, PO – Program Outcome**

CO1	Understanding the dynamic role of entrepreneurship and small businesses.
CO2	Organizing and Managing a Small Business
CO3	Financial Planning and Control
CO4	Forms of Ownership for Small Business
CO5	Strategic Marketing Planning

**GRAPHICAL REPRESENTATION**





**Section B (Answer any FOUR out of SIX) - 20 Marks**

(Each question Carry 5 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
2	What are the methods and sources of Idea generation?	5	CO4	K3	PO1
3	Explain the organization structure with flow chart.	5	CO2	K1	PO2
4	Explain the Contents and guidelines for report preparation.	5	CO1	K2	PO3
5	Draw a flow chart for any Business Plan. Elaborate briefly.	5	CO3	K1	PO2
6	Discuss the role of Online education in economy.	5	CO5	K1	PO5
7	Explain the Classification of Entrepreneurs.	5	CO4	K2	PO4

**Section C (Answer any THREE out of FIVE) - 30 Marks-**

(Each question Carry 10 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
8	Differentiate between entrepreneurs and managers.	10	CO1	K3	PO1
9	Explain the Strategy Development for Businesses.	10	CO1	K4	PO1
10	How financial institutions help in Entrepreneurial Development. Give an example.	10	CO2	K5	PO3
11	Define NABARD. Explain its importance and role in development.	10	CO2	K5	PO5
12	Define entrepreneur. Explain the characteristic & traits of an entrepreneur	10	CO2	K1	PO3



Branch	ME, CSE & EEE	Program	Diploma
Subject Name	Indian Constitution	Semester	VI
		Year	April 2024

Time: 1.5 Hour  
Max. Marks : 35

- Start writing from 2nd page onwards; don't write on the 1st Page Backside
- Answer all Questions of Section A (Compulsory)
- Answer Any Four out of Six of Section B
- Answer Any Three out of Five of Section C
- Possession of Mobile Phones or any kind of Written Material, Arguments with the Invigilator or Discussing with Co-Student will come under Unfair Means and will result in the Cancellation of the Papers.

Knowledge Level (KL)	K1 : Remembering	K3 : Applying	K5 : Evaluating
	K2 : Understanding	K4 : Analysing	K6 : Creating

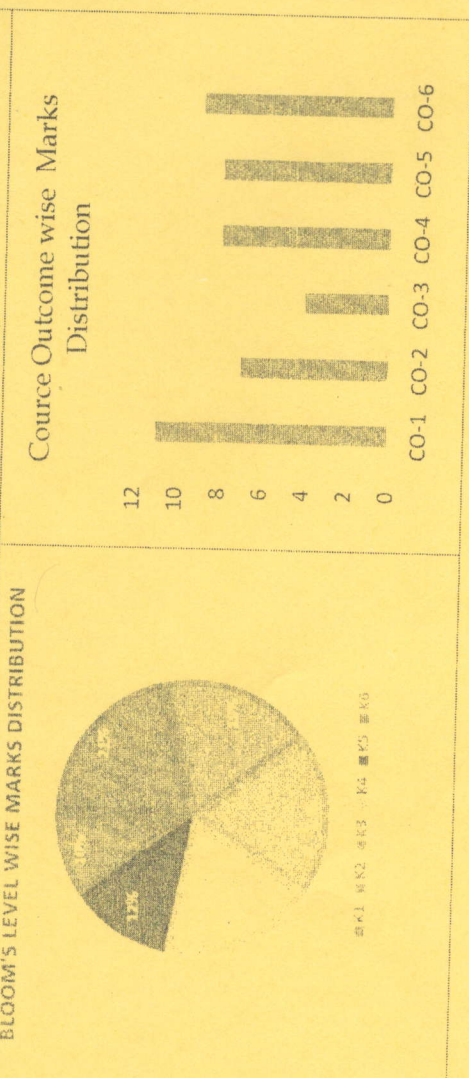
**Section A (Each question Carry 01 Marks from Q1-i to Q1-x) – 10 Marks**

Q. N 1	QUESTIONS	Marks	Cos	KL	PO
i	Who was the first Prime Minister of India?	1	CO1	K2	PO1
ii	How many articles are in Constitution of India?	1	CO3	K1	PO2
iii	When was the Constituent Assembly of India formed, and who was its first president?	1	CO1	K1	PO2
iv	What is the role of municipal corporation in local governance?	1	CO1	K3	PO2
V	Who was the chairman of the drafting committee of the Indian Constitution?	1	CO4	K1	PO1
vi	When constitution of India came into effect?	1	CO2	K2	PO1
vii	Name any two Directive Principles of State Policy mentioned in the Constitution.	1	CO2	K3	PO1
viii	Who is the constitutional head of the Indian Union?	1	CO3	K4	PO1
ix	What is the role of a state election commission in the electoral process?	1	CO1	K5	PO2
x	What is the significance of local administration in the context of governance?	1	CO2	K4	PO1

**CO- Course Outcomes, KL- Knowledge Level, PO – Program Outcome**

CO1	Recall historical background of the Indian constitution.
CO2	Observe importance for building democratic India, the structure of Indian government, the structure of state government, the local Administration
CO3	Develop the knowledge on directive principle of state policy, the knowledge in strengthening of the constitutional institutions like CAG, Election Commission and UPSC for sustaining democracy.
CO4	Analyze the History, features of Indian constitution, the role of Governor and Chief Minister, of state election commission, decentralization of power between central, state and local self-Government.
CO5	Assess Preamble, Fundamental Rights and Duties, Zilla Panchayat, block level organization, various commissions of viz SC/ST/OBC and women.
CO6	Create ideological framework relied upon by the framers of the Constitution of India, the system of government and role of judiciary by discussing and analyzing the rights and duties specified under the Constitution of India.

**GRAPHICAL REPRESENTATION**





**Section B (Answer any FIVE out of SIX) – 10 Marks**  
(Each question Carry 2 Marks)

Q. No.	QUESTIONS	Marks	Cos	KL	PO
2	Name any two Directive Principles of State Policy mentioned in the Constitution.	2	CO1	K2	PO1
3	What is the significance of the council of ministers in the functioning of the state government?	2	CO1	K1	PO2
4	What are the fundamental Rights?	2	CO3	K5	PO2
5	What is the significance of Rajya Sabha?	2	CO4	K3	PO2
6	What is the tenure of the chief election commissioner of India?	2	CO4	K5	PO1
7	Mention any two roles and responsibilities of a chief minister in a state government.	2	CO3	K4	PO1

**Section C (Answer any THREE out of FIVE) – 15 Marks-**  
(Each question Carry 5 Marks)

Q. No.	QUESTIONS	Marks	Cos	KL	PO
8	Mention the difference between Directive Principles and Fundamental Rights.	5	CO1	K1	PO1
9	Short note on 'Zila Panchayat'.	5	CO2	K3	PO1
10	What are the powers of the president of India?	5	CO2	K4	PO2
11	What is the state secretariat, and what functions does it perform in the state government?	5	CO4	K2	PO2
12	What are the constitutional powers and functions of a governor in a state?	5	CO3	K6	PO2



CO- Course Outcomes,

KL- Knowledge Level,

PO – Program Outcome

CO1	Protect data and respond to threats that occur over the Internet
CO2	Design and implement risk analysis, security policies, and damage assessment
CO3	Plan, implement and audit operating systems' security in a networked, multi-platform and cross platform environment

**GRAFICAL REPRESENTATION**

**Bloom's Level wise Marks Distribution**

**Course Outcome Wise Marks Distribution**



K1 K2 K3 K4 K5 K6

□ Course Outcome Wise Marks Distribution



**ARKA JAIN University**  
Jharkhand



**END SEM EXAMINATION**  
School of Engineering & IT

Branch	Computer Science & Engineering	Program	Diploma
Subject Name	Cyber Security Law, Standards & IPR	Semester	VI
		Year	April 2024

- Start writing from 2nd page onwards; don't write on the 1st Page Backside
- Answer all Questions of Section A (Compulsory)
- Answer Any Four out of Six of Section B
- Answer Any Three out of Five of Section C
- Possession of Mobile Phones or any kind of Written Material, Arguments with the Invigilator or Discussing with Co-Student will come under Unfair Means and will Result in the Cancellation of the Papers.

Time: 3 Hour  
Max. Marks: 70

Knowledge Level (KL)	K1 : Remembering	K3 : Applying	K5 : Evaluating
	K2 : Understanding	K4 : Analysing	K6 : Creating

**Section A (Each question Carry 02 Marks from Q1-i to Q1-x) – 20 Marks**

Q. N1	QUESTIONS	Marks	COs	KL
i	How Cyber Security helps us from cyber threats.	2	CO1	K1
ii	Define SQL Injection attack?	2	CO2	K2
iii	Distinguish the terms "Hackers, Crackers and Phreakers"	2	CO2	K4
iv	List out the uses of firewalls	2	CO3	K4
v	Differentiate symmetric and asymmetric encryption?	2	CO3	K3
vi	What is WSDL in web service?	2	CO3	K6
vii	What do you understand by weak authentications?	2	CO2	K2
viii	List the difference between authentication and authorization.	2	CO1	K1
ix	What is cyber warfare?	2	CO1	K1
x	What is digital contract? Explain	2	CO2	K4



**Section B (Answer any FOUR out of SIX) – 20 Marks**  
(Each question Carry 5 Marks)

QUESTIONS	Marks	COs	KL
Explain the S-MIME protocol for Secure E-Mail	5	CO3	K2
What is cyber security? Explain the need for cyber law.	5	CO1	K2
Explain the need of Digital Signature	5	CO2	K4
Discuss civil remedies in enforcing intellectual property rights.	5	CO1	K1
Describe basic security for SOAP services	5	CO3	K4
Explain Internet Governance challenges and its constraints.	5	CO1	K2

**Section C (Answer any THREE out of FIVE) – 30 Marks-**  
(Each question Carry 10 Marks)

QUESTIONS	Marks	COs	KL
What are the roles of International Laws in cybersecurity? Discuss briefly any three cyber security regulations in India.	10	CO1	K4
What is the need for cyber forensics? Discuss briefly about the Digital Forensic Life Cycle.	10	CO2	K1
What is a firewall, explain the various types of firewall configurations with relevant diagram?	10	CO1	K2
Briefly explain the Digital Signature Algorithm (DSA).	10	CO3	K3
Explain the following: a). Access control mechanisms. b). IT audit.	10	CO1	K4



**JGI** **ARKA JAIN University** Jharkhand  
**NAAC GRADE A** ACCREDITED UNIVERSITY  
**END SEM EXAMINATION**  
 School of Engineering & IT

Branch	Computer Science & Engineering	Program	Diploma
Subject Name	Advance Computer Network	Semester	VI
		Year	April 2024

Time: 3 Hour Max. Marks : 70

- Start writing from 2nd page onwards; don't write on the 1st Page Backside
- Answer all Questions of Section A (Compulsory)
- Answer Any Four out of Six of Section B
- Answer Any Three out of Five of Section C
- Possession of Mobile Phones or any kind of Written Material Arguments with the Invigilator or Discussing with Co-Student will comes under Unfair Means and will Result in the Cancellation of the Papers.

Knowledge Level (KL)	K1 : Remembering	K3 : Applying	K5 : Evaluating
	K2 : Understanding	K4 : Analysing	K6 : Creating

**Section A (Each question Carry 02 Marks from Q1-i to Q1-x) - 20 Marks**

Q.N	QUESTIONS	Marks	COs	KL
1				
i	Describe different classes of IPv4 addresses?	2	CO1	K1
ii	State different application of UDP. *	2	CO2	K3
iii	Explain the computer network.	2	CO1	K2
iv	What is transmission media?	2	CO4	K2
v	Define Firewall.	2	CO4	K1
vi	What do you mean by Network Topology?	2	CO1	K2
vii	What is the difference between MAC address and IP address?	2	CO2	K2
viii	Define Framing?	2	CO4	K3
ix	What is Error? Explain types of error.	2	CO3	K2
x	Explain about Ethernet and Bluetooth.	2	CO3	K1

CO- Course Outcomes, KL- Knowledge Level, PO - Program Outcome

CO1	Explain the functions of the different layer of the OSI Protocol.
CO2	Draw the functional block diagram of wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) describe the function of each block.
CO3	For a given requirement (small scale) of wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) design it based on the market available component
CO4	For a given problem related TCP/IP protocol developed the network programming.

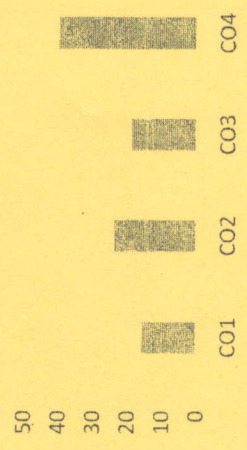
**GRAFICAL REPRESENTATION**

**Bloom's Level wise Marks Distribution**



\* K1 = K2 = K3 = K4 = K5 = K6

**Course Outcome Wise Marks Distribution**





**Section B (Answer any FOUR out of SIX) - 20 Marks**  
**(Each question Carry 5 Marks)**

Q. No.	QUESTIONS	Marks	COs	KL
2	Explain application of computer network brief.	5	CO1	K1
3	Explain OSI reference model. Compare With OSI and TCP/IP model.	5	CO1	K1
4	Define switching techniques in details?	5	CO4	K3
5	Differentiate between guided and unguided media.	5	CO3	K4
6	What is Proxy Server? Why do we need a Proxy server?	5	CO4	K2
7	Write a short notes on : i) DNS ii) Encryption and Decryption	5	CO4	K1

**Section C (Answer any THREE out of FIVE) - 30 Marks-**  
**(Each question Carry 10 Marks)**

Q. No.	QUESTIONS	Marks	COs	KL
8	Differentiate between Hypertext, Hyperlink and HTML.	10	CO3	K3
9	What is transmission media? Differentiate between guided and unguided media.	10	CO4	K1
10	Define load balancer. What is VPC load balancer?	10	CO4	K2
11	Explain in briefly about the basic working of network security.	10	CO2	K1
12	What is IPS in network security? What is network encryption?	10	CO2	K1



02/05/24 M-60

**ARKA JAIN University**  
Jharkhand

**NAAC GRADE A ACCREDITED UNIVERSITY**

END SEM EXAMINATION  
School of Engineering & IT

Branch	Computer Science & Engineering	Program	Diploma
Subject Name	Software Testing	Semester	VI
		Year	April 2024

Time: 3 Hour  
Max. Marks : 70

- Start writing from 2nd page onwards; don't Write on the 1st Page Backside
- Answer all Questions of Section A (Compulsory)
- Answer Any Four out of Six of Section B
- Answer Any Three out of Five of Section C
- Possession of Mobile Phones or any kind of Written Material, Arguments with the Invigilator or Discussing with Co-Student will come under Unfair Means and will Result in the Cancellation of the Papers.

Knowledge Level (KL)  
K1 : Remembering      K3 : Applying      K5 : Evaluating  
K2 : Understanding      K4 : Analysing      K6 : Creating

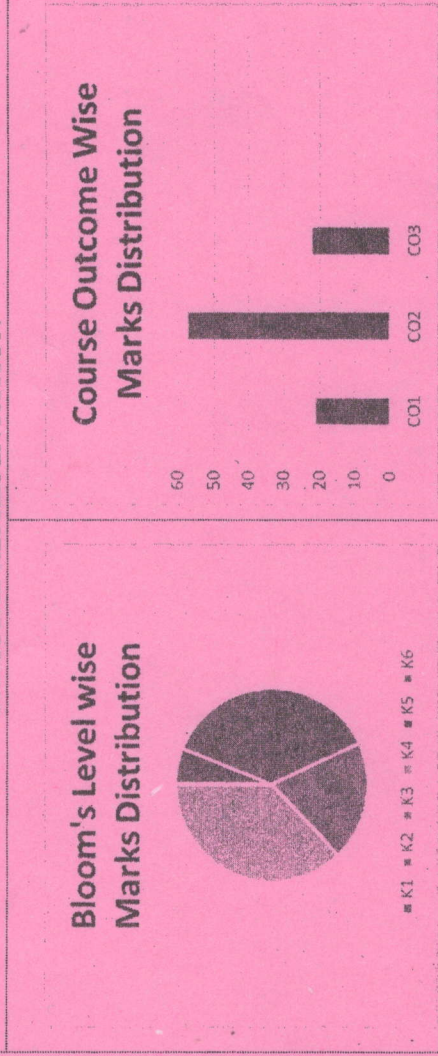
**Section A (Each question Carry 02 Marks from Q1-i to Q1-x) – 20 Marks**

Q. N1	QUESTIONS	Marks	COs	KL
i	List the difference between error and defect.	2	CO1	K2
ii	Differentiate between black box and white box testing.	2	CO1	K2
iii	Mention the challenges in automation.	2	CO3	K2
iv	What is an Integration test?	2	CO1	K1
v	List the difference between Functional Testing and non-functional testing.	2	CO2	K2
vi	Outline the need for a test plan.	2	CO2	K4
vii	Name any two software testing tools.	2	CO2	K1
viii	List out types of system testing.	2	CO2	K2
ix	Compare between alpha testing and beta testing.	2	CO2	K2
x	Define unit testing. Give an example.	2	CO2	K1

CO- Course Outcomes,      KL- Knowledge Level,      PO – Program Outcome

CO1	Student will develop skills to understand the system
CO2	Choose suitable testing methods, strategies, tools and technology, execute and report the test.
CO3	Student will also be able to understand need and usage of test automation and gain expertise in at least 1 test automation tool

**GRAFICAL REPRESENTATION**





**Section B (Answer any FOUR out of SIX) - 20 Marks**  
(Each question Carry 5 Marks)

Q. No.	QUESTIONS	Marks	COs	KL
2	Discuss in detail about software testing principles.	5	CO2	K2
3	Briefly explain the "V" model of Testing.	5	CO1	K2
4	Explain Software Testing Life Cycle (STLC).	5	CO1	K3
5	Explain about the unit test planning.	5	CO2	K2
6	Briefly explain about the cost of testing.	5	CO1	K3
7	Describe Integration test and User Acceptance Tests.	5	CO2	K4

**Section C (Answer any THREE out of FIVE) - 30 Marks-**  
(Each question Carry 10 Marks)

Q. No.	QUESTIONS	Marks	COs	KL
8	Explain JIRA, Bugzilla, and other bug tracking tools.	10	CO2	K4
9	Illustrate various components of test plan with an example.	10	CO2	K3
10	Write short notes on: a) Classification of automation testing b) Scope of automation	10	CO3	K2
11	Explain Quality and Defect management.	10	CO2	K4
12	Describe automated testing framework with an example.	10	CO3	K4