

THE UNIVERSITY OF BURDWAN
DEPARTMENT OF LIFELONG LEARNING

Annexure-II

Diploma in Cyber Law

Session: 2023-24

Admission Challan, Date, Gender & Category wise Students List

Sl. No.	Name of the student	BU Challan No.	Date	Gender	Category
1	SUSANTA KORA	4711	04.09.2023	Male	ST
2	KARNA HALDER	4713	04.09.2023	Male	SC
3	RICKTA GHOSH	4714	04.09.2023	Female	OBC-B
4	TUMPA GHOSH	4715	04.09.2023	Female	OBC-B
5	SABNAM ROY	4721	04.09.2023	Female	General
6	MOLLA AKBAR HOSSAIN	4729	05.09.2023	Male	OBC-A
7	ANANYA SAHA	4746	07.09.2023	Female	SC
8	RAJENDRA KUMAR NANDI	4752	07.09.2023	Male	OBC-B
9	TIRTHANKAR SINGH	4753	07.09.2023	Male	SC
10	GOURAV HALDER	4754	07.09.2023	Male	SC
11	SK HASIBUL ALAM	4755	07.09.2023	Male	OBC-A
12	MOHIMA KHATUN	4757	07.09.2023	Female	OBC-A
13	DEBJIT GHOSH	4758	07.09.2023	Male	General
14	PROTIKSHA ROY	4767	08.09.2023	Female	General
15	SUSHMA KUMARI	4773	08.09.2023	Female	SC
16	VANDANA KUMARI	4774	08.09.2023	Female	SC
17	SAMAMITA ROY	4775	08.09.2023	Female	General
18	RANJAN ROY	4776	08.09.2023	Male	SC
19	RAHUL KUMAR	4777	08.09.2023	Male	SC
20	SANDEEP KUMAR	4787	11.09.2023	Male	SC
21	TABASUM NAURIN	4794	12.09.2023	Female	General
22	SUBHAJYOTI SAIN	4801	13.09.2023	Male	General
23	TULI MONDAL	4802	13.09.2023	Female	General
24	JYOTI AGARWAL	4805	13.09.2023	Female	General
25	KRISHNENDU MUKHERJEE	4806	13.09.2023	Male	General
26	AFTAB ALAM ANSARI	4809	13.09.2023	Male	General
27	SHAWANI DEY	4818	14.09.2023	Female	General
28	SOURAV MUKHERJEE	4828	15.09.2023	Male	General
29	AMRITA SARKAR	4831	15.09.2023	Female	General
30	PINKU KUMAR MANDAL	4834	15.09.2023	Male	General
31	ANURAG SARKAR	5436	21.12.2023	Male	General

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THE UNIVERSITY OF BURDWAN

DEPARTMENT OF LIFELONG LEARNING

Minutes of the meeting of the Adhoc Board of Studies of the Diploma in Cyber Law held on 27/09/2023 at 12:00 noon in the Office Chamber of the Registrar , B.U.

Members Present:

1. The Dean, Faculty Council for P.G. Studies in Science, B.U. (Chairman)
2. The Director. Department of Lifelong Learning, B.U.
3. The Teacher-in-Charge, Department of Law, B.U.
4. Dr. Shashi Nath Mandal, Assa Prof., Govt. Centre of Legal Education, Hooghly Mohsin College
5. Dr. Subhra Bakul Karmakar, Deptt. of Law, University of Calcutta (Attended through Online mode)
6. Dr. Arijit Chatterjee, Joint Director, Department of Lifelong Learning, B.U. (Convener)

Resolution:

1. After threadbare discussion the committee resolved that the following persons will act as resource person for the session 2022-23.

Sl No.	Name of Internal Faculty/ Guest Speaker / Guest Faculty	Designation	Subject Name & Subject Code No.
1	a. Prof. Sunil Karforma Dean, Faculty of Science, B.U. b. Dr. Anindya Bose, Sr. Scientific Officer, B.U.	Resource Person for Diploma in Cyber Law	Basics of Internet (DCL 101)
2	a. Mr. Soumyajit Mukhopadhyay Asst. Prof. NUSRAL	Resource Person for Diploma in Cyber Law	Law and Internet (DCL 102)
3	a. Dr. Sashi Nath Mandal, Assa Prof., Govt. Centre of Legal Education, Hooghly Mohsin College	Resource Person for Diploma in Cyber Law	IT Law (DCL 103)

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27/9/2023

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DEPARTMENT OF LIFELONG LEARNING

4	<p>a. Dr. Subhra Bakul Karmakar, Deptt. of Law, University of Calcutta</p> <p>b. Dr. Sougata Talukdar, Asst. Prof. West Bengal Education Service, Goenka College of Commerce</p>	Resource Person for Diploma in Cyber Law	Internet Crime & Protection (DCL 104)
5	<p>a. Prof. Sunil Karforma Dean, Faculty of Science, B.U.</p> <p>b. Dr. Anindya Bose, Sr. Scientific Officer, B.U.</p> <p>c. Mr. Soumyajit Mukhopadhyay Asst. Prof. NUSRAL</p> <p>d. Dr. Sashi Nath Mondal, Asst Prof., Govt. Centre of Legal Education, Hooghly Mohsin College</p> <p>e. Dr. Subhra Bakul Karmakar, Deptt. of Law, University of Calcutta</p> <p>f. Dr. Sougata Talukdar, Asst. Prof. West Bengal Education Service, Goenka College of Commerce</p>	Resource Person for Diploma in Cyber Law	Term Paper (DCL 105)

2. It is also resolved that the classes of this session will commence from 10.10.2023.

3. It is also decided that the classes will be held both Offline and Online mode.

4. The remuneration of those resource persons should as per existing University Norms i.e. Rs. 300/- (per hour) for theory papers and Rs, 250/- (per hour) for the practical papers.

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27/09/23

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27/09/23
27/09/23

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BURDWAN - 713104
27/9/2023

The University of Burdwan
Vice-Chancellor's Secretariat
Receiving Section
Memo No-V/..... Date.....
Received by.....

THE UNIVERSITY OF BURDWAN
DEPARTMENT OF LIFELONG LEARNING

5. The committee noted and approved the break up of Course fee for the Diploma in Cyber Law (Rs. 12000/-) which is as follows:

Sl. No.	Particulars	Amount
		10,445/-
1	Tuition fee	100/-
2	Session Fee	200/-
3	Admission Fee	80/-
4	Sports Fee	200/-
5	Library Fee	10/-
6	Students' Health Home	40/-
7	Facilitation Fee	50/-
8	Students' Aid Fund	200/-
9	Development Fee	30/-
10	Health Care	20/-
11	Identity Card Fee	600/-
12	Examination fee	25/-
13	BVCS/BULSU	12,000/-
	Total =	

[Signature]
27/09/23

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[Signature] 27/09/23
Chatterjee
27/9/2023
Approved
28/09/23

Submitted for kind approval pls

[Signature]
Chatterjee
3/10/2023

Registrar
[Signature]

Halble V.C.
May be approved
[Signature]
04/10/23

Approved
[Signature]
05/10/23

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DEPARTMENT OF LIFELONG LEARNING

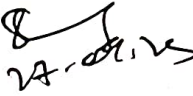
Members present in the meeting of the Adhoc Board of Studies of the Diploma in Cyber Law held on 27/09/2023 at 12:00 noon in the Office Chamber of the Registrar , B.U.

Members Present:

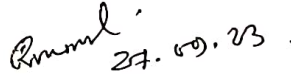
1. The Dean, Faculty Council for P.G. Studies in Science, B.U. (Chairman)


27.09.23


2. The Director. Department of Lifelong Learning, B.U.


27.09.23

3. The Teacher-in-Charge, Department of Law, B.U.


27.09.23

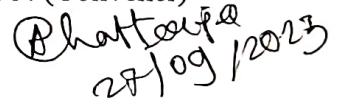
4. Dr. Shashi Nath Mandal, Asst. Prof., Govt. Centre of Legal Education, Hooghly Mohsin College


27/09/23

5. Dr. Subhra Bakul Karmakar, Deptt. of Law, University of Calcutta

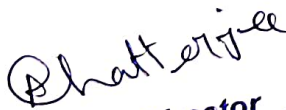
(Attended through
online mode)

6. Dr. Arijit Chatterjee, Joint Director, Department of Lifelong Learning, B.U. (Convener)


27/09/2023



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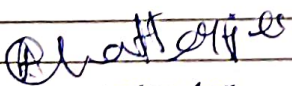
DR. SHASHI NATH MANDAL
PAPER: DCL 103

DR. S. N. MANDAL

REGISTER OF ATTEN-

PAPER: DCL 202 & 203
For the Month of

Serial No.	Roll No.	NAME OF PUPILS
1		AFTAB ALAM ANSARI
2		AMRITA SARKAR
3		ANANYA SAHA
4		DEBJIT GHOSH
5		GOURAV HALDER
6		JYOTI AGARWAL
7		KARNA HALDER
8		KRISHNENDU MUKHERJEE
9		MOHIMA KHATUN
10		MOLLA AKBAR HOSSAIN
11		PINKU KUMAR MANDAL
12		PROTIKSHA ROY
13		RAHUL KUMAR
14		RAJENDRA KUMAR NANDI
15		RANJAN ROY
16		RICKTA GHOSH
17		SABNAM ROY
18		SAMAMITA ROY
19		SANDEEP KUMAR
20		SHAWANI DEY
21		SK HASIBUL ALAM
22		SOURAV MUKHERJEE
23		SUBHAJYOTI SAIN
24		SUSANTA KORA
25		SUSHMA KUMARI
26		TABASUM NAURIN
27		TIRTHANKAR SINGH
28		TULI MONDAL
29		TUMPA GHOSH
30		VANDANA KUMARI
31		ANURAG SARKAR


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No. Present Daily

Roll No.	ATTEN -																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1																		
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Sl. No.	Name of the Candidate	Challan No.	Date	Amount (INR)
	Opening Balance	—	—	Rs. 00.00
1.	SUSANTA KORA	4711	04.09.23	12000/-
2.	KARNA HALDER	4713	04.09.23	12000/-
3.	RICKTA GHOSH	4714	04.09.23	12000/-
4.	TUMPA GHOSH	4715	04.09.23	12000/-
5.	SABNAM ROY	4721	04.09.23	12000/-
6.	MOLLA AKBAR HOSSAIN	4729	05.09.23	12000/-
7.	ANANYA SAHA	4746	07.09.23	12000/-
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9.	TIRTHANKAR SINGH	4753	07.09.23	12000/-
10.	GOURAV HALDER	4754	07.09.23	12000/-
11.	SK HASIBUL ALAM	4755	07.09.23	12000/-
12.	MOHIMA KHATUN	4757	07.09.23	12000/-
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14.	PROTIKSHA ROY	4767	08.09.23	12000/-
15.	SUSHMA KUMARI	4773	08.09.23	12000/-
16.	VANDANA KUMARI	4774	08.09.23	12000/-
17.	SANAMITA ROY	4775	08.09.23	12000/-
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19.	RAHUL KUMAR	4777	08.09.23	12000/-
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25.	KRISHNENDU MUKHERJEE	4806	13.09.23	12000/-
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Total = Rs. 372,000/-


DIPLOMA IN CYBER LAW

COURSE OUTLINE

Sl.No	Course Code	Name of the Course	L	T	P	Credits
SEMESTER I						
1	DCL 101	Basics of Internet	3	1		4
2	DCL 102	Law and Internet	3	1		4
3	DCL 103	IT Law	3	1		4
4	DCL 104	Internet Crime & Protection	3	1		4
5	DCL 105	Term Paper	1		6	4
TOTAL CREDIT						20
SEMESTER II						
1	DCL 201	Network Security	3	1		4
2	DCL 202	Intellectual Property Rights & Cyber Protection	3	1		4
3	DCL 203	E Governance & Regulations	3	1		4
4	DCL 204	E Commerce & Cyber Crime	3	1		4
5	DCL 205	Term Paper	1		6	4
TOTAL CREDIT						20

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SEMESTER-I

PAPER DCL 101 : BASIC OF INTERNET (Credit – 4)

[48 Hours]

- Basic Computer architecture, Computer Data Ports: Printer, Serial Port, RJ11, RJ45, USB, Software: System Software, Application Software, Open Source Software, Concept of Computer Virus, Malwares, Spywares, Antivirus Tools
- Computer Networks: Need, advantages, topologies, security issues, Need for larger networks
- Internet: Concept, History – NPL Network, ARPANet, UUCP and UseNet, NSFNet, CERN Network, World Wide Web, Global Internet, Internet implementation over the continents
- Internet architecture (Backbone, national, regional and local networks); Traffic Routing over the Basic Concepts on Transmission Control Protocol (TCP) and Internet Protocol (IP), Domain Name Systems (DNS), Domain Name Space and Domain Name Architecture, IP4 Address, Major Internet Domains, Hyper Text Transfer Protocol (HTTP), File Transfer Protocol (FTP), Universal Datagram Protocol (UDP). Routing protocols.
- Features of Internet, Services provided by Internet (File transfer, Email,), Common Internet browsers, Advantages of Internet; Internet Service Providers (ISP) and tasks performed by ISPs, Internet Access methods- Dial Up, Broadband LAN, Internet over Cable TV, Wireless over Cellular Network, Satellite Based Internet
- Setting up of Internet in PC and Basic security aspects, Cyber Security for common Computer use, Identity and Financial Information protection, Good Practices for common Internet users, Case studies

[Pattern of Question:

2 marks x 5 Questions (5 questions out of 7) = 10 marks

5 marks x 4 Questions (4 questions out of 6) = 20 marks

10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 102 : LAW AND INTERNET (Credit – 4)

[48 Hours]

- Meaning and Basics of Law:
- Object and definition of Law, fundamentals of formation and discharge of contract, Concept of crime and its essentials (including mensrea and actus reus), Fundamental features of Intellectual Property and its types.
- Overview of Cyber Law:
- Introduction to Cyber space, Scope of Cyber laws (e-commerce, online contracts, IPRs and Cyber laws (copyright, trademarks, software patenting), e-taxation, e-governance, etc
- Regulatory Framework:
- International Legal Regime: European Convention on Cyber Crimes, Hague Convention on Jurisdiction and Foreign Judgments: Jurisdiction Agreement
- IPR issues: Copyright issues (Linking, Inlining, Framing), Trademark issues (Domain Name Dispute, Cybersquatting, Uniform Dispute Resolution Policy, Meta Tags and Key words), Computer software and IPR issues

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- Jurisdictional aspects in Cyber Law: Issues of jurisdiction in cyberspace, Types of jurisdiction, Prerequisites of jurisdiction, The tests involved (Minimum contact theory, Sliding Scale Theory, Effects Test and International targeting), Jurisdiction under IT Act, 2000
- Cyber Law in India: Information Technology Act, 2000 (with upto date amendments): Digital Signature, E-Governance, Certifying Authority, Duties of subscriber, Penalties and Adjudication, offences under the Act.

[Pattern of Question:
 2 marks x 5 Questions (5 questions out of 7) = 10 marks
 5 marks x 4 Questions (4 questions out of 6) = 20 marks
 10 marks x 4 Questions (4 questions out of 6) = 40 marks]


PAPER DCL 103: IT LAW (Credit - 4) [48 Hours]

- Introduction to IT Law; Evolution of IT Law.
- Regulatory Framework of Information and Technology Act
- Digital Signature; E-Signature; Electronic Records; Electronic Evidence and Electronic Governance..
- Controller & Certifying Authority.
- Cyber Appellate Tribunal.
- Network and Network Security, Access and Unauthorized Access, Data Security, E Contracts and E Forms.
- Offences and Penalties Information Technology (Amendment) Act 2008; Objective, Applicability and Jurisdiction; Various Cyber-Crimes under Sections 43 (a) to (j), 43A, 65, 66, 66A to 66F, 67, 67A, 67B, 70, 70A, 70B, 80 etc. along with respective Penalties, Punishment and Fines.
- Penal Provisions for Phishing, Spam, Virus, Worms, Malware, Hacking, Trespass and Stalking; Human Rights in Cyberspace.
- International Co-operation in Investigating Cybercrimes.

[Pattern of Question:
 2 marks x 5 Questions (5 questions out of 7) = 10 marks
 5 marks x 4 Questions (4 questions out of 6) = 20 marks
 10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 104: INTERNET CRIME & PROTECTION (Credit - 4) [48 Hours]

- Introduction of Internet and Crime.
- Concept of Internet Crime; Features of Internet Crime; Comparison with other Crime;
- Internet Crimes; Tempering with Computer Source Code; Hacking; Obscenity; Misrepresentation; Breach of Trust; Pornography; Child Pornography; Cyber Squatting, Cyber Espionage, Cyber Warfare, Defamation; Cyber Defamation; Data Theft; Identity Theft; Fraud; Criminal Trespass; Criminal Mischief; Computer Fraud and Abuse; Computer Misuse;
- Computer Evidence; Computer Forensic;
- Liability of Internet Service Provider
- Remedies against Internet Crime.
- Configuring firewall.
- Social Media; Online Safety for Women and Children on Online; Misuse of Private Information
- Landmark Cases relating to Internet Crime.

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[Pattern of Question:
2 marks x 5 Questions (5 questions out of 7) = 10 marks
5 marks x 4 Questions (4 questions out of 6) = 20 marks
10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 105: TERM PAPER

[60 Hours]

To be allotted by the teacher and conducted under the guidance of a teacher.

Marks distribution of Term End Project Report/ Term Paper:

Project Report : 50 Marks
Presentation : 25 Marks
Viva : 25 Marks

The Project Report shall be of 10000 words and shall be evaluated on the basis of 50 marks (Contents 30 marks; Research and Methodology 10 marks; Language 10 marks) AND the presentation of project shall be evaluated on the basis of 25 marks (Contents 15 marks, Articulation 5 marks; and Response to questions 5 marks).

SEMESTER- II

PAPER DCL 201: NETWORK SECURITY (Credit - 4)


[48 Hours]

- **Computer & Cyber Security:** Types of Attacks, Network Security, Services and Mechanisms, Overview of Security threats, Hacking Techniques, Password cracking , Insecure Network connections, Brief history of cryptography.
- **Symmetric Ciphers:** Substitution & Transposition Techniques, Block Cipher, DES, Triple DES, Stream Ciphers, RC4.
- **Public Key Cryptography:** Need and Principles of Public Key Cryptosystems, RSA Algorithm, Key Distribution and Management, Diffie-Hellman Key Exchange, Digital Signatures.
- **Authentication:** Authentication Requirements, Message Authentication Codes, Hashes, MD5 & SHA, Digital Certificate. User Authentication: Password, Certificate based & Biometric Authentication, Kerberos.
- **Network Security:** Firewalls, IP Security, VPN. Intrusion Detection, Web Security, SSL, TLS.

[Pattern of Question:
2 marks x 5 Questions (5 questions out of 7) = 10 marks
5 marks x 4 Questions (4 questions out of 6) = 20 marks
10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 202: INTELLECTUAL PROPERTY RIGHTS & CYBER PROTECTION (Credit - 4)
[48 Hours]

- Introduction to IPR, Introduction to rights, Property and meaning of Intellectual in IPR,

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Defining IPR, Kinds of IPRs and their duration, Rights granted by IP, The origin of Intellectual Property, and Growth of Intellectual Property.

- Patents- Trips Definition. kind of inventions protected by patent-Patentable and Non patentable inventions, Patent application process: Searching a patent- Drafting of a patent- Filing of a patent- Types of patent applications- Patent document: specification and claims.
- Trademarks- Rights of trademark- kind of signs used as trademarks-types. purpose and functions of a trademark, trademark protection.
- Copyrights- Introduction, Origin and evolution of Copyright, Copyright in India.
- Geographical Indication of Goods: Types, why and how GI need protection and GI laws, Indian GI act.
- Introduction and protection of Industrial Design
- Technological and Legal Developments in Intellectual Property
- Computer Programs: Brief History of the Protection of Computer Programs. Protection of Computer Programs under Patents or under Copyright. International Norms Concerning Copyright Protection of Computer Programs, National Legislation on the Protection of Computer Programs, Creation and Use of Works by Means of Computers, Data Protection Law In Respect of Information Technology Enabled Services. cyber security strategies-IT law, cyber squatting- Domain names

[Pattern of Question:

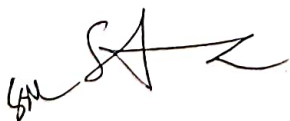
2 marks x 5 Questions (5 questions out of 7) = 10 marks

5 marks x 4 Questions (4 questions out of 6) = 20 marks

10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 203: E-GOVERNANCE AND REGULATIONS (Credit - 4) [48 Hours]

- **Introduction to E-Governance** : Concept of e-Governance, Definition of e Governance ,Benefits, and Limitation of e- Governance, Types of e Governance Services (G2C, G2B, G2B)
- **Current Trends and Practices of e- Governance:** e-Transformation, Whole of Government Perspectives, Citizen-Centric Approach, e-Inclusion, e-Leadership,



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and Change Management, Need for Process re-engineering, Secured Digital Identification.

- **Managing e- Governance:** Approaches to managing e- Governance System, Selection of suitable Approach, Key Performance Indicators for e- Governance Systems, Management of Public Data.
- **Technology and standards for e- Governance:** Enterprise Architecture, Service Oriented Architecture, Enterprise Service Bus, Security Architecture and Standards, Common Authentication Systems, Datacenters, Cloud Computing, Open Standards, Cryptography, and PKI (Public Key Infrastructure).

[Pattern of Question:
2 marks x 5 Questions (5 questions out of 7) = 10 marks
5 marks x 4 Questions (4 questions out of 6) = 20 marks
10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 204 E-COMMERCE & CYBER CRIME (Credit - 4) [48 Hours]

- Introduction to E-Commerce and Cyber Crime; Concept and Practicability in India
- E-Commerce; Issues and Legal Provisions in India;
- Digital Signature and Electronic Signature in India
- E-Contracts and its validity in India
- E-Taxation Issues in Cyberspace and E-filing and Assessment
- Cyber Appellate Tribunal;
- Offence Relating to E-Commerce and Cyber Regulations of E-Commerce
- Cyber Space Jurisdiction; Jurisdiction Issues under IT Act, 2000; Traditional Principals of Jurisdiction; Extra-Territorial Jurisdiction; Case Laws on Cyber Space Jurisdiction
- Landmark Cases relating to E-Commerce.

[Pattern of Question:
2 marks x 5 Questions (5 questions out of 7) = 10 marks
5 marks x 4 Questions (4 questions out of 6) = 20 marks
10 marks x 4 Questions (4 questions out of 6) = 40 marks]

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PAPER DCL 205: TERM PAPER

To be allotted by the teacher and conducted under the guidance of a teacher.

[60 Hours]

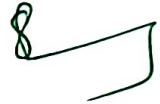
Marks distribution of Term End Project Report/ Term Paper:

Project Report : 50 Marks

Presentation : 25 Marks

Viva : 25 Marks

The Project Report shall be of 10000 words and shall be evaluated on the basis of 50 marks (Contents 30 marks; Research and Methodology 10 marks; Language 10 marks) AND the presentation of project shall be evaluated on the basis of 25 marks (Contents 15 marks, Articulation 5 marks; and Response to questions 5 marks).



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