

BLDE (DEEMED TO BE UNIVERSITY)
Master of Library and Information Science

[Time: 3 Hours]

[Max.Marks: 80]

IV SEMESTER
PAPER – I (Information Communication Networks)
QP CODE: 7541

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Question (Any – 3)

10 X 3 = 30 Marks

1. Describe in detail modulation and demodulation process in communication.
2. Explain different types of networks with examples.
3. Write about CALIBNET and its role in library networking.
4. Discuss cyber security measures with special reference to antivirus and data backup.

Short Essays: (Any – 7)

5 X 7 = 35 Marks

5. Analog and digital signals – brief explanation.
6. Satellite communication and VSAT.
7. Network topologies: advantages and disadvantages.
8. ERNET – objectives and significance.
9. Video conferencing in academic communication.
10. Types of e-commerce.
11. Cryptography and its importance.
12. SWAYAM: four quadrants.

Short Answers: (Any – 5)

3 X 5 = 15 Marks

13. Pair of wires.
14. FTP.
15. INFLIBNET.
16. Instant messaging.
17. Data backup.
18. Cloud service providers.

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IV SEMESTER
PAPER – II (Web Technology)
QP CODE: 7542

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Question (Any – 3)

10 X 3= 30 Marks

1. Define citation databases. Compare Web of Science, Scopus, and Google Scholar.
2. Explain the types of social networks and their importance in information dissemination.
3. Write an HTML code to create a web page with heading, paragraph, image, and hyperlink.
4. Explain client-server architecture with the help of a neat diagram.

Short Essays: (Any – 7)

5 X 7 = 35 Marks

5. Evolution of Web 1.0, Web 2.0, and Web 3.0.
6. Growth of e-books in libraries.
7. Role of Twitter in academic communication.
8. Criteria for evaluating web resources (accuracy, authority, coverage, usability).
9. HTML formatting tags – bold, italic, underline.
10. CMS terminology.
11. Joomla as a CMS: features and uses.
12. Content mining and structure mining.

Short Answers: (Any – 5)

3 X 5 = 15 Marks

13. ETDs.
14. e-journals.
15. Wikis.
16. Head tag in HTML.
17. Open source CMS.
18. Web analytics.

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IV SEMESTER

PAPER – III (Webometrics, Informatics & Scientometrics)

QP CODE: 7543

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Question (Any – 3)

10 X 3= 30 Marks

1. Explain the evolution of Librametrics into Bibliometrics, Scientometrics, Informetrics, and Webometrics.
2. Write in detail on Lotka's Law of Scientific Productivity.
3. Discuss Growth of Literature studies with reference to Logistic and Power models.
4. Explain the various methods of Authorship and Collaboration studies.

Short Essays: (Any – 7)

5 X 7 = 35 Marks

5. Scope and applications of Webometrics.
6. Significance of Science Citation Index in research evaluation.
7. Bradford's Law of Scattering – uses and limitations.
8. Power literature Growth Model.
9. Role of Citation Analysis in research evaluation.
10. Use of PubMed in medical research.
11. Web archives – concept and functions.
12. Need and purpose of the Bibliometrics.

Short Answers: (Any – 5)

3 X 5 = 15 Marks

13. Zipf's Law.
14. Half-life in Webometrics.
15. Scopus.
16. URL.
17. LISA.
18. Web of Science.