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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester MLISc Degree Examination, November 2016
LIS3C10 - Research Methodology
(2015 Admission onwards)

Max. Time: 3 hours   Max. Weightage: 36

I. Answer the following short answer questions.

    1. What is Concept of Research?
    2. What is Random Sampling?
    3. What is Applied Research?
    4. What is Null hypothesis?
    5. What are Sources of Research problem?
    6. What is Primary Data?
    7. What is a variable?
    8. Define interview guide.
    9. What is Pilot study?
    10. What is measurement scale?
    11. What is a sample?
    12. What is graphical representation?
    13. What is a schedule?
    14. What is feminist research   (14 x 1 = 14 weightage)

II. Write short notes (paragraph) on **any seven** questions:

    15. Process of research
    16. Delphi method
    17. Formulation of research problem
    18. Multidisciplinary research
    19. Current trends in Library and Information Science research
    20. Scientific method
    21. Secondary data sources
    22. Literature search
    23. Stratified sampling
    24. Observation   (7 x 2 = 14 weightage)

III. Write essays on the following questions:

    25. Define research. Explain different types of research in social science.
                                    OR
    26. What is researchdesign? Discuss different types of research designsused?

    27. What do you understand by survey research? Describe the process and problems in
        conducting survey research.
                                    OR
    28. Explain the guidelines for research reporting.
                                                          (2 x 4 = 8 weightage)

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester MLISc Degree Examination, November 2016

LIS3C09 - Information Systems & Services

(2015 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

I.   **Answer all the following short answer questions:**

1. Define ready reference service.
2. What is meant by information services?
3. Mention any four alerting services.
4. Which is the parent body of NASSDOC?
5. Where is SENDOC located?
6. What is the main purpose of ISDS?
7. What was the full name of the science information system in India?
8. Mention the names of any four abstracting services.
9. In reprography, what are the non-photographic techniques?
10. Give the meaning of translation pools.
11. What is meant by virtual reference service?
12. Define non-user.
13. What were the earlier names of user education?
14. Give any two methods of user education.

(14 x 1 = 14 weightage)

II.   **Write short notes on any seven of the following:**

15. Reference interview
16. Boolean search technique
17. Referral service
18. Services of DESIDOC
19. Scope and coverage of INIS.
20. Functions of Information Analysis Centre
21. Document delivery service
22. Categories of information users
23. Evaluation of Current Awareness Service
24. Information seeking behaviour

(7 x 2 = 14 weightage)

III.   **Write essays on any two of the following:**

25. Examine the changing trends in information services offered by libraries in the digital environment.
26. Describe the role played by NISCAIR in the dissemination of scientific information in India.
27. Discuss the need for SDI and explain the procedure of offering computerized SDI service.
28. Briefly describe the advantages and disadvantages of different methods used for studying the users.

(2 x 4 = 8 weightage)

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester MLISc Degree Examination, November 2016
LIS3E02 - Statistics & Bibilometrics
(2015 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

1. **Answer the following short answer questions.**

    1. Define Mean.
    2. What is variance?
    3. Class interval
    4. Bar diagram
    5. Frequency polygon
    6. Scope of statistics
    7. What is cited half life?
    8. What is cybermetrics?
    9. Types of self citation
    10. Formula of immediacy index
    11. Formula for harmonic mean
    12. What is statistical bibliography?
    13. National Centre for Bibliometrics
    14. Define measures of asymmetry.

    (14 x 1 = 14 weightage)

II. **Write short notes (paragraph) on any seven questions:**

    15. Mode
    16. Kurtosis
    17. Circle diagram
    18. Discuss z test.
    19. Information explosion
    20. Discuss web impact factor.
    21. Describe bradfords law of scattering
    22. Merits and demerits of mean deviation
    23. Difference between citation and reference
    24. Difference between bibliometrics and informetrics.

    (7 x 2 = 14 weightage)

III. **Write essays on the following questions.**

    25. Describe Karl Pearsons Product moment correlation with example.
    26. Describe the application of statistics in library & information centres.
    27. What is citation index? Describe SCI.
    28. State Zipf's law and discuss its applications.

    (2 x 4 = 8 weightage)

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester MLISc Degree Examination, November 2016
LIS3C11 - Application of Information & Communication Technology in LIS
(Theory)
(2015 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

I. Answer the following short answer questions
1. What is Packet Switching?
2. What is UTP?
3. What is Hub?
4. List the advantages of star network topology
5. Explain ARPANET
6. Differentiate Twitter and Facebook
7. List four metasearch engines
8. What is Semantic Web?
9. Explain WebOPAC
10. What is Federated Search?
11. List four features of Koha LMS
12. What is Metadata?
13. What is Born Digital Documents?
14. What is ETD?   (14 x 1 = 14 Weightage)

II. Write short notes on any seven of the following questions
15. Differentiate Peer-to-Peer and Client Server networks
16 Discuss the advantages of wireless networks
17 How does a Firewall works
18 Explain Library 2.0.
19 Describe the advantages of Integrated Library Management System
20 Discuss the advantages of RFID in libraries
21 Discuss the copyright issues in Digital Libraries
22 Briefly describe the Dublin Core metadata standard
23 Describe the benefits of Institutional Repositories
24 Briefly describe the architecture of DSpace
                                                        (7 x 2 = 14 Weightage)

III. Write essays on any two of the following questions
25 What is a computer network? Describe the different types of computer networks.
26 What is Web 2.0.? Discuss the application of Web 2.0. in library operations and services.
27 What is library automation? Describe the benefits of the automated library housekeeping operations in details
28 What is digital library? Discuss the need, significance and advantages of digital libraries
                                                        (2 x 4 =8 Weightage)

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester MLISc Degree Examination, November 2016

LIS3E03 - Technical Communication

(2015 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

I.   **Answer all the following short answer questions:**

1. Define technical writing.
2. What is meant by kinesics?
3. What are the informal communication methods?
4. Mention the different types of abstracts.
5. What is an excerpt?
6. Define key words.
7. What is fog index?
8. What is the purpose served by digests?
9. Define peer review process.
10. What is short communication?
11. Give any four commonly used proof reading symbols with their explanation.
12. What are the different punctuation marks?
13. Mention the different types of figures used in texts.
14. Define review articles.   **(14 x 1 = 14 weightage)**

II.   **Write short notes on any seven of the following:**

15. Verbal communication
16   Different stages in the writing process
17. Types of writing
18. Content analysis
19. Guidelines for the preparation of abstracts
20. Information consolidation
21. Preparation of state-of-the-art reports
22. Use of IT in checking grammar and usage
23. Copy editing
24. Reference Management software   **(7 x 2 = 14 weightage)**

III.   **Write essays on any two of the following:**

25. What is creative writing? Bring out the basic differences between creative writing and technical writing highlighting the characteristic features of the latter.
26. Discuss the steps in the preparation of journal articles.
27. Explain the usefulness of language as an effective medium of communication.
28. Examine the utility of style manuals in technical writing taking APA Style Manual (6th ed.) as an example.

(2 x 4 = 8 weightage)