



- 8 Document Delivery Service at the International level is provided by
- a) INFLIBNET.
  - b) British Library Document Supply Centre.
  - c) DRTC.
  - d) NISCAIR.
- 9 Routing of periodicals is :
- a) CAS.
  - b) SDI.
  - c) Indexing Service.
  - d) Abstracting Service.
- 10 Information literacy means :
- a) Ability to find information.
  - b) Ability to read.
  - c) Ability to use computer.
  - d) Ability to write.

(10 × 1 = 10 marks)

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

- 1 OCLC services.
- 2 Referral centers.
- 3 Methods of CAS.
- 4 Information foraging.
- 5 National Science Library.
- 6 Functions of DESIDOC.
- 7 Salient features of NISSAT.
- 8 Types of information system.
- 9 Concept of reference service.
- 10 Categories of information users.
- 11 International Translation Centers.
- 12 Future of indexing and abstracting.

(8 × 5 = 40 marks)

III. Answer any *two* of the following :

- 1 Describe the information literacy standards.
- 2 Explain SDI service with a suitable diagram.
- 3 Discuss the objectives and methods of user education.
- 4 Describe the functions of national and regional documentation centers.

(2 × 15 = 30 marks)

**FOURTH SEMESTER P.G. DEGREE EXAMINATION, APRIL 2021**

(CCSS)

M.Lib.I.Sc.

LIS 4E 04—STATISTICS AND BIBLIOMETRICS

(2016 Admissions)

Time : Three Hours

Maximum : 80 Marks

I. Choose the correct answer from the following. Each question carries 1 mark :

1 Rank correlation method was developed by :

- (a) Karl Pearson. (b) R. A. Fisher.  
(c) Spearman. (d) Kendal.

2 Document co-citation analysis was introduced first by :

- (a) Henry Small. (b) Garfield.  
(c) Howard White. (d) M. M. Kessler.

3 The average of the sum of squares of deviation about mean is called :

- (a) Variance. (b) Absolute deviation.  
(c) Standard deviation. (d) Mean deviation.

4 The term scientometrics originated from :

- (a) Russia. (b) Germany.  
(c) France. (d) Britain.

5 Diagrams and graphs are tools of :

- (a) Data collection. (b) Data analysis.  
(c) Data presentation. (d) Data organisation.

- 6 Scientific field which is not similar to webometrics is :
- (a) Bibliometrics. (b) Cybermetrics.  
(c) Web mining. (d) Informatics.
- 7 The word 'statistics' is used as :
- (a) Singular. (b) Plural.  
(c) Singular and Plural. (d) None of the above.
- 8 The concept of bibliographic coupling was introduced by :
- (a) Henry Small. (b) Garfield.  
(c) Bradford. (d) M.M.Kessler.
- 9 Shoe size of most of the people in India is no.8. Which measure of central value does it represent :
- (a) Mean. (b) Median.  
(c) Mode. (d) Harmonic mean.
- 10 Obsolescence studies in libraries help to :
- (a) Discard older documents.  
(b) Purchase new documents  
(c) Exchange old documents.  
(d) Selling of old documents.

(10 × 1 = 10 marks)

II. Write short notes on any *eight* of the following. Each question carries 5 marks :

- 1 z-test.
- 2 Kurtosis.
- 3 Zipf's law.
- 4 H index.
- 5 Co-citation.

- 6 Scientometrics.
- 7 Features of SPSS.
- 8 Regression models.
- 9 Web Impact Factor.
- 10 Growth of literature.
- 11 Tabular presentation.
- 12 Importance and limitations of statistics.

(8 × 5 = 40 marks)

III. Answer any *two* of the following. Each question carries 15 marks :

- 1 Differentiate between correlation and regression.
- 2 Bring out the scope and genesis of informetrics.
- 3 Explain the importance and application of citation studies research in libraries.
- 4 Describe the procedure to compute standard deviation and variance and highlights its limitations.

(2 × 15 = 30 marks)

**FOURTH SEMESTER P.G. DEGREE EXAMINATION, APRIL 2021**

(CCSS)

M.A. M.Lib.I.Sc.

LIS 4C 12—INFORMATION PROCESSING AND RETRIEVAL

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

1. Explain the concept in not more than 50 words :

- a) Neural NLP.
- b) Spider (Robot).
- c) Cranfield test.
- d) Features of IRS.
- e) Uniterm indexing.
- f) Citation indexing.
- g) Dialog Web Search.
- h) SMART Retrieval experiment.
- i) Archie, VERONICA and Jughead.
- j) Purpose of Information Retrieval System.

(10 × 2 = 20 marks)

2. Write short notes on any *five* of the following, each one not exceeding 200 words :

- a) Wild Card Search.
- b) Primary search engines.
- c) Boolean retrieval model.
- d) Application of NLP in IRS.
- e) Evaluation of indexing system.
- f) Classification in digital environment.
- g) Comparison of Probabilistic and Vector Processing model.
- h) Difference between subject gateways and meta search engine.

(5 × 6 = 30 marks)

**Turn over**

3. Answer the following, each *one* not exceeding 1000 words :

*Either*

- a) How recall and precision ratio help in measuring performance of an indexing system ? Explain.

*Or*

- b) Define Web based Information and Retrieval. Describe the various tools for effective web information retrieval with illustrations.

*Either*

- c) Distinguish between pre-co-ordinate and post-co-ordinate indexing systems with examples.

*Or*

- d) What is Bayesian network model ? Discuss the process of developing a Bayesian network model.

(2 × 15 = 30 marks)

CHMK LIBRARY UNIVERSITY OF CALICUT

**FOURTH SEMESTER P.G. DEGREE EXAMINATION, APRIL 2021**

(CCSS)

M.A. M.Lib.I.Sc.

LIS 4C 13—INFORMATION SYSTEM AND SERVICES

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

1. Explain the concept in not more than 50 words :

- a) ERNET.
- b) SENDOC.
- c) WorldCat.
- d) Super JANET.
- e) Alerting Services.
- f) Current Contents.
- g) Reference queries.
- h) Need of User studies.
- i) AGROVOC Web Services.
- j) Long Range Reference Service.

(10 × 2 = 20 marks)

2. Write short notes on any *five* of the following, each one not exceeding 200 words :

- a) BIOSIS.
- b) INSPEC.
- c) NICNET.
- d) Referral Centers.
- e) Products of DELNET.
- f) Current Information Need.
- g) Electronic Document Delivery.
- h) National Knowledge Commission.

(5 × 6 = 30 marks)

**Turn over**



3. Answer the following, each one not exceeding 1000 words :

*Either*

- a) Explain the various services provided by INFLIBNET.

*Or*

- b) Describe the application of cloud computing in library services.

*Either*

- c) Describe the various models of information seeking behavior with illustrations.

*Or*

- d) Define information literacy. Explain the various information literacy standards as prescribed by ACRL.

(2 × 15 = 30 marks)

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**FOURTH SEMESTER P.G. DEGREE EXAMINATION, APRIL 2021****(CCSS)****M.Lib.I.Sc.****LIS 4E 07—TECHNICAL COMMUNICATION****(2019 Admissions)****Time : Three Hours****Maximum : 80 Marks****1. Explain the concept in not more than 50 words :**

- a) Readability.
- b) Grey literature.
- c) Content editing.
- d) Official memos.
- e) Creative writing.
- f) High tech audience.
- g) Investigation report.
- h) State-of-the-art report.
- i) Information consolidation.
- j) Principles of technical writing.

**(10 × 2 = 20 marks)****2. Write short notes on any *five* of the following, each one not exceeding 200 words :**

- a) Book design.
- b) Peer review.
- c) Trend reports.
- d) Body language.
- e) Proposal writing.
- f) Audience research.

**Turn over**

- g) Formal vs Informal communication.
- h) Language as a medium of communication.

(5 × 6 = 30 marks)

3. Answer the following, each one not exceeding 1000 words :

*Either*

- a) Define verbal communication and write its importance. Discuss different presentation techniques and its benefits with examples.

*Or*

- b) Define technical report. Explain the characteristics and types of technical reports.

*Either*

- c) Describe the problems occurring in spelling, grammar, usage and punctuation in technical writing.

*Or*

- d) Explain reader-writer relationship involved in the development of instructional materials.

(2 × 15 = 30 marks)