

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020

(CCSS)

M.Lib.I.Sc.

LIS 3C 09—INFORMATION AND COMMUNICATION

(2016 Admissions)

Time : Three Hours

Maximum : 80 Marks

I. Answer *all* questions. All questions carry equal marks :

1 Most important barrier to communication is :

- | | |
|--------------------|--------------------|
| a) Concentration. | b) Humility. |
| c) Interestedness. | d) Poor listening. |

2 SMCR model of communication developed by :

- | | |
|--------------------|-----------------|
| a) Shannon-Weaver. | b) David Berlo. |
| c) Schramm. | d) Barnlund. |

3 Which model is summarised as "Who says what in which channel to whom with what effect" ?

- | | |
|---------------------------|----------------------------|
| a) Lasswell's Model. | b) Linear Model. |
| c) Constructionist model. | d) George Gerbner's Model. |

4 To which country the credit is given to coin the term information society ?

- | | |
|-----------|------------|
| a) USA. | b) France. |
| c) Japan. | d) India. |

5 Today information is regarded as which of the following ?

- | | |
|--------------|-------------------|
| a) Wealth. | b) Commodity. |
| c) Products. | d) All the above. |

6 Now a day's what is a most important vital resource for societal development of a country ?

- | | |
|-----------------|---------------|
| a) Books. | b) Knowledge. |
| c) Information. | d) Data. |

Turn over

III. Answer any *two* of the following :

- 1 Elucidate the reason for knowledge and information being considered as social wealth and its role in post industrial society.
- 2 What is Open Access ? Discuss its advantages and disadvantages with closed access.
- 3 Define Information Science. Explain the conceptual evolution of information science as discipline.
- 4 Define Nation Information Policy. Explain NAPLIS.

(2 × 15 = 30 marks)

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THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020

(CCSS)

M.A.–M.Lib.I.Sc.

LIS 3C 10—RESEARCH METHODOLOGY

(2016 Admissions)

Time : Three Hours

Maximum : 80 Marks

I. Answer *all* questions. All questions carry equal marks :

1 The chief merit of survey is :

- A) Adaptability. B) Sensibility.
C) Connectivity. D) Versatility.

2 Which is compared to Mariner's Compass in sea voyage ?

- A) Research Problem. B) Data collection.
C) Research design. D) Sampling.

3 In Research Report, which is used to acknowledge indebtedness ?

- A) Bibliography. B) Index.
C) Appendix. D) Foot-Notes.

4 Data related to human beings are called :

- A) Demographic data. B) Territorial data.
C) Organizational data. D) Peripheral data.

5 An example of probability sampling is :

- A) Quota Sampling. B) Snow-ball sampling.
C) Purposive sampling. D) Lottery method.

6 Assigning numerals or other symbols to the categories or response is called :

- A) Editing. B) Coding.
C) Transcription. D) Tabulation.

Turn over

III. Answer any *two* of the following :

- 1 What is Research ? Discuss different types of research.
- 2 What is Research Report ? Describe the contents of a research report.
- 3 Describe the various print and electronic sources available for literature search.
- 4 Define Hypothesis. Discuss the characteristics and qualities of a good hypothesis.

(2 × 15 = 30 marks)

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- 6 What is Dublin Core ?
- (a) Content management tool.
 - (b) E- Library software.
 - (c) Metadata standard.
 - (d) Internet Protocol.
- 7 What is meaning of .rtf file ?
- (a) Red Text Format.
 - (b) Rich Text Format.
 - (c) Rich Text File.
 - (d) Red Text File.
- 8 Which one is the most important problem being faced by Institutional Repositories for archiving the documents ?
- (a) Availability.
 - (b) Rarity.
 - (c) Copyright issues.
 - (d) Author's resistance.
- 9 In MARC 21, subject access fields are :
- (a) 3xx.
 - (b) 4xx.
 - (c) 5xx.
 - (d) 6xx.
- 10 WorldCat is maintained by :
- (a) Library of Congress.
 - (b) On-line Computer Library Center.
 - (c) American Library Association.
 - (d) None of the above.

(10 × 1 = 10 marks)

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

- 1 Circulation module.
- 2 SOUL.
- 3 RFID.
- 4 Image file formats.

- 5 Storage media formats.
- 6 MARC21.
- 7 Software and hardware for digital library.
- 8 Steps in digitisation.
- 9 Greenstone.
- 10 IPR issues in Institutional repository.
- 11 OpenDOAR
- 12 Artificial Intelligence.

(8 × 5 = 40 marks)

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

- 1 Explain the subsystems of an automated acquisition system.
- 2 What is metadata ? Explain in detail about the Dublin Core metadata elements.
- 3 Discuss the major institutional repositories in India.
- 4 Explain the application of experts systems in LICs.

(2 × 15 = 30 marks)

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020

(CCSS)

M.Lib.I.Sc.

LIS 3C 09—RESEARCH METHODOLOGY

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

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

- a) Histogram.
- b) E-citation.
- c) Reverse Plagiarism.
- d) Non sampling error.
- e) Type of pie charts.
- f) Scientific hypothesis.
- g) Directed brainstorming.
- h) Participant observation.
- i) Basic vs Applied research.
- j) Guidelines for conducting interview.

(10 × 2 = 20 marks)

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

- a) APA Style manual.
- b) Descriptive research.
- c) Online research tools.
- d) Trends in LIS research.
- e) Steps in case study method.
- f) Census Vs Sample survey.
- g) Forms of academic plagiarism.
- h) Merits and demerits of questionnaire.

(5 × 6 = 30 marks)

Turn over

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

Either

- a) Discuss the prominent reference management software's.

Or

- b) What is scaling in research ? Describe the various scaling techniques with examples.

Either

- c) Define research report. Discuss the format and contents for writing a research report.

Or

- d) Define literature search. Explain the various sources and steps in searching LIS literature through non-print and electronic data bases.

(2 × 15 = 30 marks)

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THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020

(CCSS)

M.Lib.I.Sc.

LIS 3C 10—INFORMATION TECHNOLOGY APPLICATION IN LIBRARIES—THEORY

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

1. Explain the concept in not more than 50 words. Each question carries 2 marks :

- (a) EPrints.
- (b) DuraSpace.
- (c) WebOPAC.
- (d) Robots in libraries.
- (e) Digital compression.
- (f) Dublin Core Metadata.
- (g) Use of RFID in libraries.
- (h) Major ILMS softwares in India.
- (i) Functions of automated serials control.
- (j) Security and privacy in cloud computing.

(10 × 2 = 20 marks)

2. Write short notes on any *five* of the following, each one not exceeding 200 words. Each question carries 6 marks :

- (a) Fedora.
- (b) DOAR.
- (c) QR Code.
- (d) Library 3.0.
- (e) Smart cards.
- (f) Research Data Management.
- (g) Selection of Library automation software.
- (h) Application of expert systems in libraries.

(5 × 6 = 30 marks)

Turn over

3. Answer the following, each one not exceeding 1,000 words :

Either

(a) Describe the application of Artificial Intelligence in libraries.

Or

(b) Give a comparison of Greenstone digital library and DSpace software.

Either

(c) Define virtual reality and augmented reality. Explain the difference between them with examples.

Or

(d) Describe in detail Web Scale Discovery Services.

(2 × 15 = 30 marks)

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THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020

(CCSS)

M.Lib.I.Sc.

**LIS 3C 11—KNOWLEDGE ORGANIZATION PRACTICE—UNIVERSAL DECIMAL
CLASSIFICATION—BATCH A**

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

*Classify the specific subjects given below using UDC Standard Edition.*1. Classify any *three* of the following. Each question carries 2 marks :

- 1.1 Rigveda.
- 1.2 Integral calculus.
- 1.3 Gymnasium equipment.
- 1.4 Seed production.

(3 × 2 = 6 marks)

2. Classify any *six* of the following. Each question carries 4 marks :

- 2.1 American President election.
- 2.2 Adolescents in urban communities.
- 2.3 Buildings of art galleries.
- 2.4 Silk worm production in Japan.
- 2.5 Nuclear fission reactors in Russia.
- 2.6 Climatological atlas.
- 2.7 English - French dictionary.
- 2.8 Influence of Buddhist school of thought on Hindu saints.

(6 × 4 = 24 marks)

3. Classify any *four* of the following. Each question carries 5 marks :

- 3.1. Textile printing industry in Tamil Nadu.
- 3.2. Cold storage for the preservation of oranges.

Turn over

- 3.3. Psychoanalytic study of dreams of pregnant women.
- 3.4. Remuneration of the skilled workers in cottage industries.
- 3.5. Progress in science and technology in India in the 21st century.
- 3.6. Curriculum for Environmental Studies: A report.

(4 × 5 = 20 marks)

4. Classify any *five* of the following. Each question carries 6 marks :

- 4.1 Palliative care for the terminally ill patients among the guest workers of Kerala.
- 4.2 Indian contribution to neuroscience literature in English in the 21st century.
- 4.3 Trade assistance of India to developing countries to counter Covid-19.
- 4.4 Flood control operations in Nepal by China during 2020.
- 4.5 Strikes in textile machine printing industries of Maharashtra.
- 4.6 Women labor laws in developed economies: A report.
- 4.7 Avoidance of tariff between Kenya by China during 2000-2009.
- 4.8 Love and hatred in Chinese novels of the 1900s.

(5 × 6 = 30 marks)

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020**(CCSS)****M.Lib.I.Sc.****LIS 3C 11—KNOWLEDGE ORGANIZATION PRACTICE-UNIVERSAL DECIMAL
CLASSIFICATION****Batch B****(2019 Admissions)****Time : Three Hours****Maximum : 80 Marks***Classify the specific subjects given below using UDC Standard Edition.***1. Classify any *three* of the following :**

- 1.1 Essence of Hinduism.
- 1.2 Reading of fiction.
- 1.3 Mural paintings.
- 1.4 Quantum mechanics.

(3 × 2 = 6 marks)**2. Classify any *six* of the following :**

- 2.1 Journal of Science and Technology.
- 2.2 Dictionary of Engineering in German.
- 2.3 Tragic plays of William Shakespeare : A critical study.
- 2.4 Medical Personnel in India.
- 2.5 Foreign policy of India towards Myanmar.
- 2.6 Hindustan Machine Tools.
- 2.7 Patents on viral vaccines.
- 2.8 History of India from 1857 to 1947.

(6 × 4 = 24 marks)**3. Classify any *four* of the following :**

- 3.1 Content analysis of novels in Malayalam of the 19th century.
- 3.2 Co-operative societies of poultry farmers in Kerala and Goa.

Turn over

- 3.3 Licensing of liquor shops through tender system.
- 3.4 Teaching of French in primary schools through drama.
- 3.5 Diseases of rice crops in the tropical countries.
- 3.6 Problems of Sri Lankan Tamil immigrants in Germany.

(4 × 5 = 20 marks)

4. Classify any *five* of the following :

- 4.1 Customs associated to housewarming among Christians and Hindus.
- 4.2 A psychoanalytic interpretation of dreams of adolescent Indian girls.
- 4.3 Acupuncture treatment for migraine in persons with IQ of 150.
- 4.4 Inclusion of iodine in the diet of thyroid patients in the mountainous area.
- 4.5 Role of protein diet and exercises in the physical health of athletes.
- 4.6 Progress of printed circuit production in Taiwan in the 21st century.
- 4.7 A discussion of the influence of Saraswathi, the Hindu Goddess, in Art and Literature from 100 BC.
- 4.8 Biographical sketches of Nobel Peace Prize winners of Europe.

(5 × 6 = 30 marks)

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020**(CCSS)****M.Lib.I.Sc.****LIS 3E 03—STATISTICS AND INFORMETRICS****(2019 Admissions)****Time : Three Hours****Maximum : 80 Marks****1. Explain the concept in not more than 50 words :**

- a) Range.
- b) g-index.
- c) Decile.
- d) Librametry.
- e) Obsolescence.
- f) Immediacy Index.
- g) Simple regression.
- h) Alternative hypothesis.
- i) Limitations of statistics.
- j) Type I and Type II error.

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

- a) Chisquare test.
- b) Bradford's law.
- c) Students t test.
- d) Standard deviation.
- e) Bibliographic coupling.
- f) Classes of models in ANOVA.

Turn over

- g) Citation analysis in collection management.
- h) Relationship between mean, median and mode.

(5 × 6 = 30 marks)

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

Either

- a) What is rank correlation ? Describe Spearman's Rank Correlation with examples.

Or

- b) Describe in detail the process of testing of hypothesis with examples.

Either

- c) Describe the various software tools for conducting informetric analysis.

Or

- d) State Lotka's and Zipf's law. Discuss its applications with examples.

(2 × 15 = 30 marks)

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2020

(CCSS)

M.Lib.I.Sc.

LIS 3E 05—DIGITAL LIBRARIES

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

I. Explain the following concepts in not more than 50 words each :

- a) Protocols.
- b) Digitization.
- c) OCRing.
- d) Uniform Resource Name.
- e) Need for assessment of user needs.
- f) DOI.
- g) National Digital Library of India.
- h) Data migration.
- i) Metadata.
- j) Network platforms.

(10 × 2 = 20 marks)

II. Write short notes on any *five* of the following, each in about 200 words :

- a) Digital library vs. Institutional repository.
- b) Interoperability.
- c) User interfaces.
- d) Digital rights management.
- e) Digital archiving.
- f) Image formats in a digital library.
- g) OAI-PMH.
- h) Access control in a digital library.

(5 × 6 = 30 marks)

Turn over

III. Answer the following, in about 1000 words each :

Either

- a) Elaborate the various components of a digital library.

Or

- b) Discuss the steps involved in the management of digital libraries.

Either

- c) Elaborate the functioning of Dublin Core Metadata Standard.

Or

- d) Identify the key requirements of an ideal digital library software and examine how far GSDL fulfills these requirements.

(2 × 15 = 30 marks)

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