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(CCSS)

# M.Lib.I.Sc.

# LIS 3C 09—INFORMATION AND COMMUNICATION

		(2016 A	dmi	ssions)
Time: Three	е Н	ours		Maximum: 80 Marks
I. Answe	er all	questions. All questions carry eq	qual	marks:
1 M	ost i	mportant barrier to communicati	on is	s:
	a)	Concentration.	b)	Humility.
	c)	Interestedness.	d)	Poor listening.
2 SI	MCR	model of communication develop	ped l	by
	a)	Shannon-Weaver.	b)	David Berlo.
	c)	Schramm.	d)	Barnlund.
	hich fect"		say	ys what in which channel to whom with what
	a)	Lasswell's Model.	b)	Linear Model.
	c)	Constructionist model.	d)	George Gerbner's Model.
4 To	whi	ich country the credit is given to	coin	the term information society?
	a)	USA.	b)	France.
	c)	Japan.	d)	India.
5 To	oday	information is regarded as which	h of	the following?
" 1/1	a)	Wealth.	b)	Commodity.
MI.	c)	Products.	d)	All the above.
6 No	ow a	day's what is a most important v	rital	resource for societal development of a country?
	a)	Books.	b)	Kowledge.
	c)	Information.	d)	Data.  Turn over

7	7 Whiel	h in not a parameter for categoris	satio	n of a data in sciences :
	a)	Time factor.	b)	Location factor.
	<b>c</b> )	Quantitative values.	d)	Scale of measurement.
8	3 Which	n is not a language barrier :		
	a)	Neologism.	b)	Synonym.
	<b>c</b> )	Antonym.	d)	Propaganda.
9	Who f	irst proposed a measure of inform	natio	on ?
	a)	Hartley.	b)	Shannon.
	c)	S. R. Ranganathan.	d)	Dewey.
10	Now a	a days what is a most important v	rital	resource for societal development of acountry?
	a)	Books.	b)	Kowledge.
	c)	Information.	d)	Data.
				$(10 \times 1 = 10 \text{ marks})$
II. Wı	rite shor	t notes on any eight of the follow	ing	
1	Chara	cteristics of Information.		
2	Digita	l and Virtual Communication.	•	
3	Right	to Information Act.		
4	Knowl	ledge Society.		
5	Barrie	ers to Information Communication	n.	
6	Inform	nation Intermediaries.		
7	Cost a	nalysis of Information Systems.		
8	Harold	Lasswell's Communication Mod	el.	
9	Digital	Rights Management.		
10	Derek	de Solla Price Contribution to In	form	ation.
11	Four P	's of Marketing.		
12	UAP.			

#### 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

- 3 Define Information Science. Explain the conceptual evolution of information science as discipline.
- 4 Define Nation Information Policy. Explain NAPLIS.

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## M.A.-M.Lib.I.Sc.

# LIS 3C 10—RESEARCH METHODOLOGY

		DID OC TOREDEA	11101	I MEIHODOLOGI
		(2016 )	Admi	ssions)
Time: Th	ree H	ours		Maximum: 80 Marks
I. Ans	swer al	$l$ questions. All questions carry $\epsilon$	equal	marks:
1	The cl	hief merit of survey is :		
	A)	Adaptability.	B)	Sensibility.
	C)	Connectivity.	D)	Versatility.
2	Which	n is compared to Mariner's Comp	oass i	n sea voyage?
	A)	Research Problem.	B)	Data collection.
	C)	Research design.	D)	Sampling.
3	In Res	search Report, which is used to a	ackno	wledge indebtness?
	A)	Bibliography.	B)	Index.
	C)	Appendix.	D)	Foot-Notes.
4	Data 1	related to human beings are call	ed:	
	A)	Demographic data.	B)	Territorial data.
	C)	Organizational data.	D)	Peripheral data.
5	An ex	ample of probability sampling is	:	
	A)	Quota Sampling.	B)	Snow-ball sampling.
	C)	Purposive sampling.	D)	Lottery method.
6	Assign	ning numerals or other symbols	to the	categories or response is called:
	A)	Editing.	B)	Coding.
	C)	Transcription.	D)	Tabulation.

7	An ess	sential Criterion of Scientific stu	dy is	:	
	A)	Belief.	B)	Value.	
	C)	Objectivity.	D)	Subjectivity.	
8	Resea	rch related to abstract ideas or c	oncep	ots is:	
	A)	Empirical research.	B)	Conceptual Research.	
	C)	Quantitative research.	D)	Qualitative research.	
9	Identi	fying causes of a problem and po	ssibl	e solution to a problem is :	
	A)	Field Study.	B)	Diagnosistic study.	O,
	C)	Action study.	D)	Pilot study.	
10	Object	tives in problem formulation mea	ans:	10.	
	A)	Questions to be answered.	B)	Methods.	
	C)	Techniques.	D)	Methodology.	
				03	$(10 \times 1 = 10 \text{ marks})$
Wri	te shor	t notes on any eight of the follow	wing		
1	Purpo	se of Research.	S	V	
2	Surve	y Method.			
3	Litera	ture Search.			
4	Interv	riew.			
5	Resea	rch Proposal.			
6	Style	Manual.			
7	Samp	ling Technique.			
8	Histor	rical Method.			
9	Data l	Processing.			
10	Meası	ires of Central Tendency.			
11	Delph	i Technique.			
12	Graph	ical Representation of Data.			
					$(8 \times 5 = 40 \text{ marks})$

II.

#### 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 varies print and electronic sources available for literature search.
- 4 Define Hypothesis. Discuss the characteristics and qualities of a good hypothesis.

D 91366	(Pa	ges :	3)	Name
				Reg. No
THIRD S	EMESTER P.G. DEGRE	E E	XAMINATION,	NOVEMBER 2020
	(0	ccss	3)	
	M.Li	ib. I.	Sc.	
LIS 3C 11—AP	PLICATION OF INFORMATION LIS			ICATION TECHNOLOGY
	(2016 A	Admi	ssions)	
Time: Three Hour	rs			Maximum : 80 Marks
I. Answer al	$l$ questions. All questions carry $\epsilon$	equal	marks. Each questi	on carries 1 mark :
1 Which	one is not the principle of plan	ning (	of library automatio	n ?
(a)	It must be comprehensive in sc	ope.		
(b)	It must be strategic in nature.			
(c)	It must be supported by the ma	anage	ement.	
(d)	It must be disintegrated with a	dmin	istration.	
2 What	does an OPAC provide to the use	ers ?		
(a)	More accessibility.			
(b)	More accessibility particularly	by au	thor.	
(c)	More accessibility particularly	by sul	bject.	
(d)	More accessibility particularly l	by titl	le.	
3 How n	nany modules in SOUL software	?		
(a)	4.	(b)	5.	ı
(c)	6.	(d)	7.	
4 The m	ain components of an RFID syst	em ir	nclude :	
(a)	Handheld Reader, RFID label 1	printe	er, server and Exter	mal book return.
(b)	RFID tags, readers or sensors,	Ante	nna and server.	
(c)	RFID label printer, sensors, an	tenna	a and server.	
(d)	RFID tags, server, external boo	k ret	urn, sensors.	
5 Name	a technique used for searching s	stored	d data in a database	<b>2.</b>
(a)	Boolean operator.	(b)	Inverting file.	
(c)	Indexing.	(d)	Binary.	

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 proble	m bei	ing faced by Institutional Repositories for archiving
	the do	cuments?		10
	(a)	Availability.	(b)	Rarity.
	(c)	Copyright issues.	(d)	Author's resistance.
9	In MA	RC 21, subject access fields are	:	.03
	(a)	3xx.	(b)	4xx
	(c)	5xx.	(d)	6xx.
10	World	Cat is maintained by :		
	(a)	Library of Congress.		
	(b)	On-line Computer Library Cen	ter.	
	(c)	American Library Association.		
	(d)	None of the above.		
		(C)		$(10 \times 1 = 10 \text{ marks})$
Wr	ite shor	t notes on any eight of the follow	ving.	Each question carries 5 marks:
1	Circul	ation module.		
2	SOUL			
3	RFID.			
4	Image	file formats.		

II.

- 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.

 $(8 \times 5 = 40 \text{ marks})$ 

## 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

- 3 Discuss the major institutional repositories in India.
- 4 Explain the application of experts systems in LICs.

D 91369	(Pages : 2)	Name
		Reg. No
THIRD	SEMESTER P.G. DEGREE EXAMINATION	, NOVEMBER 2020
	(CCSS)	
	M.Lib.I.Sc.	
	LIS 3C 09—RESEARCH METHODOLO	GY
	(2019 Admissions)	
Time : Three	Hours	Maximum: 80 Marks
1. Explair	the concept in not more than 50 words:	, () <sup>1</sup>
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.	
		$(10 \times 2 = 20 \text{ marks})$
2. Write s	hort notes on any <i>five</i> of the following, each one not excee	ding 200 words :
a)	APA Style manual.	
b)	Descriptive research.	
c)	Online research tools.	
d)	Trends in LIS research.	
<b>e</b> )	Steps in case study method.	
f)	Census Vs Sample survey.	
g)	Forms of academic plagiarism.	
h)	Merits and demerits of questionnaire.	

D 91369

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

Either

2

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.

D 91370	(Pages	:: 2)	Name
			Reg. No
THIRD	SEMESTER P.G. DEGREE I	EXAMINATION,	NOVEMBER 2020
	(CCS	S)	
	M.Lib.	I.Sc.	
LIS 3C 10	-INFORMATION TECHNOLOGY	APPLICATION II	N LIBRARIES—THEORY
	(2019 Adm	nissions)	
Time: Three H	lours		Maximum: 80 Marks
1. Explair	the concept in not more than 50 word	s. Each question car	ries 2 marks :
(a)	EPrints.		
(b)	DuraSpace.		$\bigcirc$
(c)	WebOPAC.		
(d)	Robots in libraries.		
(e)	Digital compression.		
(f)	Dublin Core Metadata.	00	
(g)	Use of RFID in libraries.		
(h)	Major ILMS softwares in India.		
(i)	Functions of automated serials control	l.	
<b>(j)</b>	Security and privacy in cloud comput	ing.	
	10.		$(10 \times 2 = 20 \text{ marks})$
	hort notes on any <i>five</i> of the following, 6 marks :	each one not exceed	ling 200 words. Each question
(a)	Fedora.		
(b)	DOAR.		
(c)	QR Code.		
(d)	Library 3.0.		
(e)	Smart cards.		
(f)	Research Data Management.		
(g)	Selection of Library automation softw	are.	
(h)	Application of expert systems in librar	ries.	
U'			$(5 \times 6 = 30 \text{ marks})$

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.

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(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.

 $(3 \times 2 = 6 \text{ marks})$ 

- 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.

 $(6 \times 4 = 24 \text{ marks})$ 

- 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.

D 91371

- 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.

 $(4 \times 5 = 20 \text{ marks})$ 

- 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.

2

- 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.

D 9137	<b>71-A</b>	(Pages : 2)	Name
			Reg. No
TH	IRD SEMESTER P.O	G. DEGREE EXAMINAT	TION, NOVEMBER 2020
		(CCSS)	
		M.Lib.I.Sc.	
LIS	3C 11—KNOWLEDGE	ORGANIZATION PRACTI CLASSIFICATION	CE-UNIVERSAL DECIMAL
		Batch B	
		(2019 Admissions)	
Time : T	nree Hours		Maximum: 80 Marks
	Classify the specific s	subjects given below using UD	C Standard Edition.
1. Cla	ssify any three of the follo	wing:	10
1.1	Essence of Hinduism.		
1.2	Reading of fiction.		
1.3	Mural paintings.	.00	
1.4	Quantum mechanics.		
			$(3 \times 2 = 6 \text{ marks})$
2. Cla	ssify any six of the followi	ng:	
2.1	Journal of Science and T	echnology.	
2.2	Dictionary of Engineering	g in German.	
2.3	Tragic plays of William S	hakespeare : A critical study.	
2.4	Medical Personnel in Ind	ia.	
2.5	Foreign policy of India to	wards Myanmar.	

- 2.6 Hindustan Machine Tools.
- 2.7 Patents on viral vaccines.
- 2.8 History of India from 1857 to 1947.

 $(6 \times 4 = 24 \text{ marks})$ 

- 3. Classify any four of the following:
  - 3.1 Content analysis of novels in Malayalam of the  $19^{th}$  century.
  - 3.2 Co-operative societies of poultry farmers in Kerala and Goa.

D 91371-A

- 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.

 $(4 \times 5 = 20 \text{ marks})$ 

#### 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.

2

- 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.

D 91371-B	(Pages: 2)	Name

(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.

 $(10 \times 2 = 20 \text{ marks})$ 

Reg. No.....

- 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.

 $(5 \times 6 = 30 \text{ marks})$ 

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.

D 91371-	C (Pages: 2)	Name
		Reg. No
THIRD	SEMESTER P.G. DEGREE EXAMINATION	N, NOVEMBER 2020
	(CCSS)	
	M.Lib.I.Sc.	
	LIS 3E 05—DIGITAL LIBRARIES	(,)
	(2019 Admissions)	
Time : Three	Hours	Maximum: 80 Marks
I. Explain	n 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.	
		$(10 \times 2 = 20 \text{ marks})$
	short notes on any five of the following, each in about 200	words:
a)	Digital library vs. Institutional repository.	
	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 20 l)

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

Either

2

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.