

THE UNIVERSITY OF ZAMBIA  
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE  
END OF YEAR EXAMINATIONS: SEPTEMBER 2016

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# **THE UNIVERSITY OF ZAMBIA**

**END OF YEAR EXAMINATIONS: SEPTEMBER 2016**

**LIS 1010: FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE**

**INSTRUCTIONS: ANSWER THREE (3) QUESTIONS.**

**TIME: THREE (3) HOURS**

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## **SECTION A (COMPULSORY) 40 MARKS**

1. Libraries have seemed to prosper in areas with dense populations and especially in urban environments which can provide the leadership, the financial means to support libraries, and the cultural and intellectual interests to stimulate their use. Discuss the conditions that necessitated the development of libraries.

## **SECTION B (ANSWER ANY TWO) 30 MARKS EACH**

2. Almost every organization big or small has embraced the idea of having a special library. Discuss the role that such libraries play.
3. Libraries in developing countries face a lot of economic, political and social challenges leading to a need to co-operate. Elaborate on some of the benefits that can be gained from co-operation ventures.
4. You are in a group of first year students that is having a discussion about the growing number of associations at the University of Zambia. Many seem to be of the view that such associations are of no value outside the university. With the help of relevant examples, what would you tell them concerning the role associations play in a profession?

**END OF EXAMINATION**

**THE UNIVERSITY OF ZAMBIA**

**FINAL YEAR EXAMINATION: JUNE/JULY 2015**

**LIS 2010: ORGANISATION OF INFORMATION RESOURCES**

**TIME: THREE (3) HOURS**

**INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO FROM SECTION B**

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**SECTION A: THIS SECTION IS COMPULSORY**

**Using AACR2, catalogue fully the following information resources [20 marks]:**

1. Second edition/Animal physiology/mechanism and adaptations/Roger Eckert/with chapters 13 and 14 by David Randall/W. H. Freeman and Company/New York/VTP, Copyright 1998, second edition 1983/other cataloguing details: illustrations, book has 830 page, has index, bibliography 753 -780, ISBN 0-7167-1423-X, terms of availability: \$78.00
2. Testing of genetically modified organisms in foods/complied by Faridh E. Ahmed, PhD, Editor/Food Products Press/New York: London: Oxford/VTP, Copyright page 2004/bibliography/index/ISBN 1-56022-274-3/Illustration/book has 324 pages/terms of availability \$55.00
3. Promoting the girl-child education/Government of the republic of Zambia/Prepared by Ministry of Education in conjunction with the University of Zambia, School of Education/Published by the Government printer, Lusaka/2001/Chairperson Dr. J. T. Mhlanga/edited by M. Kaluluka, J. Phiri, John Chikonde, T. Kaoma/index/maps/Cost K150.00/ISBN 0-443-04790-1/250 pages
4. Protecting and revitalizing native languages in an era of globalization: Proceedings of the 2012 International Academic Conference of the National Institute of the Korean Language/ Published by the Institute of The Korean language/seoul/Extent of the document 89 pages/2014/Young Chue, Atiya Moon, Dr. P. I. Smith, Prof. T. Wapalwena/ISBN 0-2829-28171-6/ cost \$35.00

**SECTION B: ANSWER ANY TWO QUESTIONS (30 Marks).**

5. Write brief notes on **five** of the following terms [15 marks]:
  - i. Notation
  - ii. Access points

- iii. Subject heading
- iv. Call number
- v. Enumerative schemes
- vi. Copy cataloguing
- vii. UF symbol in Sears List of Subject Heading

6. Compare and contrast LC with DDC classification schemes (**15 Marks**).

7. Explain the importance of Web OPAC in modern society (**15 Marks**).

**END OF EXAM**

**THE UNIVERSITY OF ZAMBIA**

**END OF YEAR EXAMINATIONS: SEPTEMBER, 2016**

**LIS 2010: INFORMATION PROCESSING**

**INSTRUCTIONS:** ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO (2) QUESTIONS IN SECTION B

**TIME:** THREE (3) HOURS

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**SECTION A (COMPULSORY) 30 MARKS**

1. Using the information provided below, catalogue according the following titles according to AACR2. Include added entries and subject headings and call number.

Title 1

**THE CONSTITUTIONAL HISTORY OF  
MODERN BRITAIN SINCE 1485**

By

Sir David Lindsay Keir

9th Edition

Adam and Charles Blacks

London

1964

viii, 591 pages

Size: 24 cm.

ISBN: 15465

LC Class No: KD3951

Subject Headings: 1. Constitutional history--Great Britain. 2. Great Britain--Politics and government--1485-

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Title 2

## **QUANTITATIVE CHEMICAL ANALYSIS**

An Introduction to the Science and Practice of Chemical Measurement

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By

Charles W Foulk

Harvey V Moyer

William M Mcnavin

\*\*\*

McGraw Hill Book Company Inc

Toronto

1962

ISBN: 9780451219053

484 pages

Contains illustrations

Size: 24 cm.

Dewey Class no.: 545

Subject heading: Chemistry, Analytic--Quantitative

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Title 3

**AFRICA UNDERMINED**

Mining companies and the underdevelopment of Africa

Greg Lanning

with Marti Mueller

Harmondsworth ; New York : Penguin, 1979.

592 pages

Contains illustrations and maps

Size: 19 cm.

ISBN: 0140219641 (pbk.):

Subject headings: 1. Mining corporations—Africa 2. Mines and mineral resources—Africa 3. Africa--Economic conditions--1960-

Includes bibliographical references and indexes

Series: Pelican books: African affairs

Dewey Decimal Class no.: 338.7622096

**SECTION B (ANSWER ANY TWO) 30 MARKS EACH**

2. Compare and contrast original cataloguing and copy cataloguing and the challenges associated with each one of them.
3. Explain the factors that have contributed to the popularity of the Dewey decimal classification scheme.
4. Explain in detail the steps and processes a cataloguer goes through in determining the subject of an information resource being catalogued.

**END OF EXAMINATION**



**THE UNIVERSITY OF ZAMBIA**

**MID-YEAR EXAMINATIONS: JUNE, 2016**

**LIS 2021: COLLECTION DEVELOPMENT**

**INSTRUCTIONS: ANSWER THREE QUESTIONS**

**TIME: THREE HOURS**

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**SECTION A: COMPULSORY (40 MARKS)**

1. Generally, a librarian needs to be more actively involved in tailoring his/her collection to the particular needs of the user community, as opposed to trying to maintain as many information resources as possible. Making reference to this statement:
  - a) Discuss how weeding of information materials helps to achieve this.
  - b) Discuss how evaluation of information materials helps to achieve this.

**SECTION B: ANSWER ANY ONE (1) QUESTION (30 MARKS EACH)**

2. Effective collection development is based on reliable knowledge about the collection's users" (Bishop, 2013, p. 21). With the use of relevant examples, discuss any nine (9) categories of data you would need to collect about your users and how each data category would help you to build a collection for a public library of your choice.
3. Although the value of collection development policies is not universally accepted, the prevailing view among library professionals is that a collection development policy is a necessary living document for any library. With the use of relevant examples, explain why such a document is important and then discuss any five (5) components of a Collection Development Policy.

**SECTION C: ANSWER ANY ONE (1) QUESTION (30 MARKS EACH)**

4. Identify and describe any three types of selection tools used in the selection of library materials. Discuss their weaknesses and strengths as selection tools?
5. Describe any five (6) types of book publishers and explain their contribution to the success of collection development efforts of a library.

**END OF EXAMINATION**

**THE UNIVERSITY OF ZAMBIA**

**END OF YEAR EXAMINATIONS: SEPTEMBER, 2016**

**LIS 2022: INFORMATION SOURCES AND SERVICES**

**INSTRUCTIONS:** ANSWER THREE (3) QUESTIONS.

**TIME:** THREE (3) HOURS

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**SECTION A (COMPULSORY) 40 MARKS**

1. Although Reference work has taken various forms over the years, the guiding principle has always been that of giving direct aid to library users. With practical examples, discuss five (5) models used in reference service today.

**SECTION B (ANSWER ANY TWO) 30 MARKS EACH**

2. Trace the historical development of reference service and then clearly discuss three changes that have affected reference service since 1876.
3. Choosing one from each of the three categories, discuss three (3) reference sources including their general evaluation criteria.
4.
  - a. With practical examples, discuss the importance of study guides in an academic setting.
  - b. Explain why it is important for students to use primary sources of information.

**END OF EXAMINATION**

THE UNIVERSITY OF ZAMBIA

END OF YEAR EXAMINATIONS: SEPTEMBER 2016

LIS 2034: RESEARCH METHODS IN LIBRARY AND INFORMATION SCIENCE

INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS.

TIME: THREE (3) HOURS

CALCULATORS: You are allowed to use a certified calculator in this examination.

SECTION A (COMPULSORY) 20 MARKS

1. A sample of size 20 Facebook users yields the following usage data (number of hours spent using Facebook on a specified day).

1, 2, 2, 1, 1, 3, 3, 1, 3, 4, 2, 1, 2, 3, 2, 4, 4, 2, 2, 3

Using this data calculate the following statistics:

- Mode
  - Mean
  - Median
  - Standard deviation
  - Plot a boxplot
2. To test whether there was a difference in the preferences of male and female library users regarding the use of a social media platform, a university library took a sample of 217 of library users and the results were as follows:

Gender	Platform		Total
	Facebook	Twitter	
Male	43	10	53
Female	71	93	164
Total	114	103	217

Using Chi Square, test the Null Hypothesis that the two variables (gender and social media platform) are independent from each other. Use a significance level of 0.05. Find attached a Chi Square Critical Value Table for use in your calculations.

**SECTION B (ANSWER ANY TWO) 30 MARKS**

3. Compare and contrast the following pairs of concepts:
  - a. Independent and dependent variables
  - b. Unobtrusive and obtrusive observation methods
  - c. Close-ended and open-ended questions
4. Explain the advantages and disadvantages of questionnaires.
5. Discuss ethical issues you should consider when conducting research.

**END OF EXAMINATION**

Chi-square Distribution Table

d.f.	.995	.99	.975	.95	.9	.1	.05	.025	.01
1	0.00	0.00	0.00	0.00	0.02	2.71	3.84	5.02	6.63
2	0.01	0.02	0.05	0.10	0.21	4.61	5.99	7.38	9.21
3	0.07	0.11	0.22	0.35	0.58	6.25	7.81	9.35	11.34
4	0.21	0.30	0.48	0.71	1.06	7.78	9.49	11.14	13.28
5	0.41	0.55	0.83	1.15	1.61	9.24	11.07	12.83	15.09
6	0.68	0.87	1.24	1.64	2.20	10.64	12.59	14.45	16.81
7	0.99	1.24	1.69	2.17	2.83	12.02	14.07	16.01	18.48
8	1.34	1.65	2.18	2.73	3.49	13.36	15.51	17.53	20.09
9	1.73	2.09	2.70	3.33	4.17	14.68	16.92	19.02	21.67
10	2.16	2.56	3.25	3.94	4.87	15.99	18.31	20.48	23.21
11	2.60	3.05	3.82	4.57	5.58	17.28	19.68	21.92	24.72
12	3.07	3.57	4.40	5.23	6.30	18.55	21.03	23.34	26.22
13	3.57	4.11	5.01	5.89	7.04	19.81	22.36	24.74	27.69
14	4.07	4.66	5.63	6.57	7.79	21.06	23.68	26.12	29.14
15	4.60	5.23	6.26	7.26	8.55	22.31	25.00	27.49	30.58
16	5.14	5.81	6.91	7.96	9.31	23.54	26.30	28.85	32.00
17	5.70	6.41	7.56	8.67	10.09	24.77	27.59	30.19	33.41
18	6.26	7.01	8.23	9.39	10.86	25.99	28.87	31.53	34.81
19	6.84	7.63	8.91	10.12	11.65	27.20	30.14	32.85	36.19
20	7.43	8.26	9.59	10.85	12.44	28.41	31.41	34.17	37.57
22	8.64	9.54	10.98	12.34	14.04	30.81	33.92	36.78	40.29
24	9.89	10.86	12.40	13.85	15.66	33.20	36.42	39.36	42.98
26	11.16	12.20	13.84	15.38	17.29	35.56	38.89	41.92	45.64
28	12.46	13.56	15.31	16.93	18.94	37.92	41.34	44.46	48.28
30	13.79	14.95	16.79	18.49	20.60	40.26	43.77	46.98	50.89
32	15.13	16.36	18.29	20.07	22.27	42.58	46.19	49.48	53.49
34	16.50	17.79	19.81	21.66	23.95	44.90	48.60	51.97	56.06
38	19.29	20.69	22.88	24.88	27.34	49.51	53.38	56.90	61.16
42	22.14	23.65	26.00	28.14	30.77	54.09	58.12	61.78	66.21
46	25.04	26.66	29.16	31.44	34.22	58.64	62.83	66.62	71.20
50	27.99	29.71	32.36	34.76	37.69	63.17	67.50	71.42	76.15
55	31.73	33.57	36.40	38.96	42.06	68.80	73.31	77.38	82.29
60	35.53	37.48	40.48	43.19	46.46	74.40	79.08	83.30	88.38
65	39.38	41.44	44.60	47.45	50.88	79.97	84.82	89.18	94.42
70	43.28	45.44	48.76	51.74	55.33	85.53	90.53	95.02	100.43
75	47.21	49.48	52.94	56.05	59.79	91.06	96.22	100.84	106.39
80	51.17	53.54	57.15	60.39	64.28	96.58	101.88	106.63	112.33
85	55.17	57.63	61.39	64.75	68.78	102.08	107.52	112.39	118.24
90	59.20	61.75	65.65	69.13	73.29	107.57	113.15	118.14	124.12
95	63.25	65.90	69.92	73.52	77.82	113.04	118.75	123.86	129.97
100	67.33	70.06	74.22	77.93	82.36	118.50	124.34	129.56	135.81

**THE UNIVERSITY OF ZAMBIA**

**END OF YEAR EXAMINATIONS: SEPTEMBER, 2016**

**LIS 3010: APPLICATION OF ICTs IN INFORMATION MANAGEMENT  
(FULL-TIME)**

**INSTRUCTIONS:** ANSWER THREE (3) QUESTIONS.

**TIME:** THREE (3) HOURS

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**SECTION A: COMPULSORY (20 Marks)**

1. With relevant examples, compare and contrast Koha and Openbiblio.

**SECTION B: CHOOSE TWO QUESTIONS FROM THIS SECTION (20 marks)**

2. Write notes on **four** (4) of the following: -
  - a) Tuple
  - b) Z39.50
  - c) Database normalization
  - d) Padding
  - e) Selectors
  - f) Cathedral
3. With the use of relevant examples, explain **five** (5) post- table creation SQL statements.

4. Carefully study the web page printout below and write the XHTML tags behind its creation.



## Welcome to Organic Zambia Company Limited

Organic Zambia Company Ltd runs *organic* supermarkets and shops selling fresh organic and biodynamic food, supplements, skincare, cosmetics, baby items and household cleaning products.

Leave your contacts by filling the below form

First Name:

Last Name:

Email Address:

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**END OF EXAMINATION**

**THE UNIVERSITY OF ZAMBIA**  
**MID-YEAR EXAMINATIONS: JUNE, 2016**

**LIS 3021: MANAGEMENT OF INFORMATION SYSTEMS**

**INSTRUCTIONS: ANSWER THREE (3) QUESTIONS**

**TIME: THREE HOURS**

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**SECTION A: COMPULSORY (40 MARKS)**

1. Write **short** notes on **eight (8)** of the following: **NOTE:** *on average short notes cover about half a page and they are more than just definitions.*
  - i. Controlling ✓
  - ii. Any **One** of the Management Skills
  - iii. Zero Rated Budgeting
  - iv. The Rational Economic Man
  - v. The Contingency Theory
  - vi. Transformational Leadership
  - vii. Any **One** of the methods of Performance Appraisal
  - viii. Filtering ✓
  - ix. Groupware and Collaboration Software.

**SECTION B: ANSWER ANY TWO (2) QUESTIONS (30 MARKS EACH)**

2. A few years from now you will be a qualified information scientist with some experience. There are some chances that you will be called upon from time to time to interview job applicants to fill up vacancies in your field. Explain what you should know about conducting interviews.
3. Group work is inevitable for a student and even for an employee of any given institution. It follows that, how the group performs will to a large extent depend on the leader. According to the Trait Theory, what traits should a leader possess to enhance group performance?
4. The University of Zambia recently held its 50 years Golden Jubilee celebrations. It must have taken the organising committee some careful planning for the series of events to be successful. What steps do you think were taken in the planning process?

**END OF EXAMINATION**



THE UNIVERSITY OF ZAMBIA

SCHOOL OF EDUCATION

AUGUST/ SEPTEMBER 2016 EXAMINATIONS

LIS 3022 INDEXING AND ABSTRACTING

**Instructions**

Duration: 3 Hours

**Read each question carefully before you start answering**

**Answer Question 1 in a separate Answer Script**

**Answer the other two questions in other Answer Script(s)**

**Thus this examination comprises three (3) Questions in total**

**SECTION A**

**Question 1. (Compulsory)**

“The use of an indexing system during Indexing and Information Searching causes the Indexer and the Searcher to ‘**speak the same language**’ ”. Discuss [40 Marks]

**Tip:** this task assumes knowledge of the activities which are involved in each process.

**SECTION B**

**Answer any two (2) Questions from this Section.**

**Question 2.** Write short Notes (at least one half page) on the following:

- (a) **Recall and Precision** are said to be **Inversely Related**. Explain what you understand by this statement. [10 Marks]

**Tip** You need to apply appropriate Boolean Operators in order to do this task

(b)

- (i) Indicative Abstract: [10 Marks]

- (ii) Slanted Abstract: [10 Marks]

**Question 3.** With appropriate examples explain any three (3) of the following: [10 Marks each]

- (a) **USE and UF**
- (b) **BT and NT**
- (c) **RT and RT**
- (d) **Scope Note**

**Question 4.** Write any five (5) homographs you are aware of and show how you **disambiguate** them by using parenthetical qualifiers for each [6 Marks each]

**Question 5.** Explain (*Short Notes*) how you prepare a **Back-of-the-book Index** ) [30 Marks]

**(Tip** this task does not involve Conceptual analysis or Translation

**END OF EXAMINATION END OF EXAMINATION END OF EXAMINATION**

**THE UNIVERSITY OF ZAMBIA**

**END OF YEAR EXAMINATIONS: SEPTEMBER, 2016**

**LIS 4020: RECORDS MANAGEMENT AND ARCHIVES ADMINISTRATION**

**INSTRUCTIONS: ANSWER THREE (3) QUESTIONS.**

**TIME: THREE (3) HOURS**

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**SECTION A (COMPULSORY) 40 MARKS**

1. The Bank of Zambia has issued a directive that is intended to compel all Banks in Zambia to develop disaster preparedness and recovery plans that are intended to safe guard all the records that are in their custody. Discuss the components that should be included in the plan.

**SECTION B (ANSWER ANY TWO) 30 MARKS EACH**

2. Record Centre management is critical in the operations of any organization. Critically examine the process of making records that are at the records center available to the organization's users.
3. You have just been appointed as consultant for The University of Zambia management. Your task is to procure the technology for the electronic records management system they want to put in place. Discuss the issues that you would consider salient.
4. You have just been employed as Registry Clerk at NAPSA. Critically examine the ethical issues you may encounter as you perform your duties.

**END OF EXAMINATION**