THE UNIVERSITY OF ZAMBIA LIBRARY
SCHOOL OF LIBRARY STUDIES
FIRST SEMESTER APRIL 2002

1. LIS 111   -   Information & Society 1 Theoretical Foundations

2. LIS 231   -   Information Processing 1 Cataloguing

3. LIS 251   -   Collection Development

4. LIS 321   -   Management of Information systems and Services

5. LIS 341   -   Information Technology 11 Applications

6. LIS 421   -   Development Information systems & Services in Africa

7. LIS 461   -   Records Management

8. LIS 471   -   Documentation

LIS 111

INFORMATION AND SOCIETY I: THEORETICAL FOUNDATIONS

TIME: THREE (3) HOURS

INSTRUCTIONS

ANSWER **FOUR** QUESTIONS. ALL QUESTIONS CARRY EQUAL WEIGHT.

1.   Write short notes on any TWO of the following topics:

   (a)   Communication chain
   (b)   Public library legislation
   (c)   Documentation centres .

1.   Compare and contrast national libraries with national archives.

2.   "The relationship among ICTs, National Development and Globalization is key to African progress." Discuss.

3.   "Libraries and Information centers are valuable instruments of national development." Discuss.

4.   "No library or information centre is an island." Examine the validity of this statement in the light of library cooperation and information networking.

5)   Write short notes on any FOUR of the following:

   a)   Scriptroria
   b)   Block printing
   c)   Parchment
   d)   Codex
   e)   Cuneiform
   f)   Incunabula

END OF EXAMINATION

THE UNIVERSITY OF ZAMBIA
SCHOOL OF EDUCATION

FIRST SEMESTER EXAMINATIONS – APRIL 2002

LIS 231

INFORMATION PROCESSING I: CATALOGUING

TIME: **THREE (3) HOURS**

INSTRUCTIONS

ANSWER **SEVEN** QUESTIONS. **TWO** FROM SECTION A AND **FIVE** FROM SECTION B.

SECTION A   **[15 MARKS]**

ANSWER **TWO** QUESTIONS ONLY

1.   Write short notes on any **four** of the following:

    (a)   Mixed responsibility
    (b)   Shared responsibility
    (c)   Authority file
    (d)   Chief source of information
    (e)   Added entries

1.   With examples, explain how and where the principle of a uniform title is applicable in cataloguing.

2.   What types of references are used in a library catalogue. Give examples of their use.

SECTION B   **[25 MARKS]**

Catalogue fully FIVE of the following publications. Give added entries and references where these are applicable.

3.   An introduction to/animal behaviour/Fifth Edition/Aubrey Manning/and Marian Stamp Dawkins/Cambridge/University Press.

          v.t.p. Published by the Press Syndicate of the University of Cambridge. First, second and third editions first published by Edward Arnold and copyright Edward Arnold 1967, 1972, 1979. Fourth edition first published by Cambridge University Press 1992. Fifth edition 1998.

          Book is 23.5 cm high with nine preliminary pages and 450 pages arabic numbered. There are illustrations, graphs and photographs, some in colour. Includes bibliographical references and an index.

4.   Republic of Zambia/Ministry of Agriculture/and/Water Development/Analysis of/tractor hire rates/charged by/Lands Development Services/a Planning Division special report/produced by the/Production and Marketing Section/Planning Division/Lusaka/Government Printer/1984.

          Authors: Julius Shawa, Edward Rawson, Fred Mooney.

          Booklet has three pages roman numbered and twenty five pages arabic numbered. There are illustrations interspersed throughout the text. Height 30 cm. This is number seven of the Planning Division special study series.

          Note: The Ministry of Agriculture and Water Development changed its name to the Ministry of Agriculture, Food and Fisheries in 1991 and then to The Ministry of Agriculture and Cooperatives in 2002.

5.   Report/of the first/National workshop/on Traditional Medicine and Its Role/in the Development of Primary Health Care/in Zambia/Mulungushi Hall 9-13 May 1977/sponsored by/Ministry of Health/UNICEF/WHO/Printed by the Government Printer Lusaka/1979

          Book has seventeen pages roman numbered and four hundred and sixty one arabic numbered. There are illustrations, tables and a photograph. Has a bibliography and index. Size 26 cm.

6. Poultry Diseases/Second Edition/Edited By/the late R.F Gordon/James Decook/and/F.T.W Jordan/Bailliere Tindall/London.

v.t.p. copyright 1982 Bailliere Tindall. First published 1977. Second edition 1982.

Book is 24.5 cm high and has twelve pages roman numbered, four hundred and one pages arabic numbered and two pages of colour plates and numerous illustrations. Bibliography at end of chapters. There is an index.

7. Ten tales from/William Shakespeare/by/Charles and Mary Lamb/pictures by Al Grabianski.

v.t.p 1969   J.M. Dent. London.

Book is 23.5 cm high and has 223 arabic numbered pages. There are illustrations: some in colour.

NOTE: Al Grabianski is the pseudonym for Peter Smith.

8. Drought and man/the 1972 case history/Volume 1: Nature pleads not guilty/by/Rolando V. Garcia/with a section on climatic variability/by/J. Smagorinsky/and special contributions from/M. Ellman/H.Gambarotta/ S.Ruttenberg/J. Siots/prepared at the Graduate Institute for/International Studies, Geneva, 1976-1979/Pergamon Press/Oxford. New York. Sydney. Paris.

v.t.p Copyright 1988 International Federation of Institutes for Advance Study.

Book has fourteen pages roman numbered and three hundred pages arabic numbered. There are tables and diagrams. Has an index. Size 23.5 cm.

END OF EXAMINATION

THE UNIVERSITY OF ZAMBIA
SCHOOL OF EDUCATION

FIRST SEMESTER EXAMINATIONS – APRIL 2002

LIS 251: **COLLECTION DEVELOPMENT**

TIME: **THREE (3) HOURS**

INSTRUCTIONS:

ANSWER FOUR QUESTIONS. QUESTION ONE IS COMPULSORY

SECTION ONE (COMPULSORY) 40%

1.   Write short notes on any <u>TEN</u> of the following:

a)	approval plans
b)	WBIP
c)	encumbering
d)	unrestricted funds
e)	historical data
f)	till forbidden
g)	sampling
h)	demographic data
i)	publishers
j)	non-print media
k)	weeding
l)	gifts

SECTION B   **60%**

ANSWER ANY <u>THREE</u> QUESTIONS FROM THIS SECTION. ALL QUESTIONS CARRY EQUAL WEIGHT

1.   "Community analysis is the cornerstone of collection development in libraries". Discuss.

2.   Why do librarians prefer to deal with vendors instead of publishers in the acquisition of library materials?

3.   What factors have necessitated collection development in libraries?

4.   Identify and describe any <u>three</u> types of selection aids used in the selection of library materials. What are their strengths and weaknesses as selection tools?

END OF EXAMINATION

THE UNIVERSITY OF ZAMBIA

UNIVERSITY FIRST SEMESTER EXAMINATIONS - APRIL, 2002

LIS 321

MANAGEMENT OF INFORMATION SYSTEMS AND SERVICES

TIME: THREE (3) HOURS

INSTRUCTIONS: ANSWER ANY <u>FOUR</u> QUESTIONS. ALL QUESTIONS
CARRY <u>EQUAL</u> WEIGHT.

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1. With practical examples, critically discuss the use of models in the planning process of any library or information centre.

2. "No one theory can be used universally to explain the motivation of individuals in any organization." Critically analyze this statement within the purview of managing modern libraries or information centres.

3. "The application of Information Communication Technologies (ICTs) in modern information centres presents inherent benefits and pitfalls." Discuss how as an Information Manager you can derive optimal returns given these challenges.

4. "Taylor's theory of scientific management cannot conform to the current management practices in libraries and other information centres." Discuss.

5. You are the Information Manager at the Common Market for Eastern and Southern Africa (COMESA). Management indicates to you that **e-commerce** would now form a key strategy for global competitiveness of the organization and that your information centre must be a driving force in such an initiative. Write a report to management indicating how your information centre would respond to such challenging circumstances.

THE UNIVERSITY OF ZAMBIA

UNIVERSITY FIRST SEMESTER EXAMINATION - APRIL, 2002

LIS 341

INFORMATION TECHNOLOGY II: APPLICATIONS

TIME: THREE (3) HOURS

INSTRUCTIONS: ANSWER QUESTION 1 (COMPULSORY) AND <u>ANY</u> OTHER THREE (3) QUESTIONS.

QUESTION 1: COMPULSORY (40 MARKS).

THE SCENARIO

The Managing Director of a large estate agency company (Kamusongolwa & Chain Co.) has been considering the possibility of linking all the computer systems in local offices. There are currently thirty offices located throughout Zambia. The Kamusongolwa and Chain Company has expansion plans and wishes to add another twenty offices across Zambia over the next five years.

Currently, the Kamusongolwa and Chain Company offices are run independently. In these offices, microcomputers are used to keep details on current and past properties for sale. The Company also has a Property Management branch that takes care of rental of houses and flats; such information is also recorded on the computers.

The procurement of computers has in the past been left to individual Managers, or more recently Regional Managers. Thus, a range of different models and makes of microcomputers are in use in the local offices. Weekly reports are produced on all available properties and hard copies are circulated to other offices within the regions. Monthly reports are also produced and sent to the Head Office including information on the number and value of sales, record of each sales person, fees collected and advertising expenditure.

Problems have arisen from the current information delivery system because:

- the details sent between local offices have not been up to date
- information quickly becomes inaccurate due to sales taking place and new clients registering business
- access to relevant information within and across offices has been slow thereby inconveniencing both the workers and clients.

1

THE TASK

You have been appointed as Information Management Consultant to advise on the viability of linking all the computer systems together. Explain the main points that you are likely to present to the Managing Director on each of the following areas:

a. Describe the type of networks that could be used to aid communication between and within the offices

b. What additional hardware would be required in order to implement such a system?

c. Would there be any problems concerning the different computer systems in current use? If any, how could these problems be resolved?

d. In addition to improving the existing communication System in Kamusongolwa and Chain Company, what other applications could such a system be used for? List the types of problems that the Company could deal with using such a system that would not be possible with the existing systems. How can such a network system improve the services to Kamusongolwa and Chain's customers?

2. You have been asked by a local non-governmental organization dealing with problems of child labour to design an object-oriented or subject-oriented database. With practical examples and using any database management software package (such as Winisis or Microsoft Access) as an illustration, show how you would go about designing this database? (You must indicate the probable entities, attributes and fields in your examples).

3. " The information revolution offers Africa a dramatic opportunity to leapfrog into the future, breaking out of decades of stagnation or decline...if African countries cannot make advantage of the information revolution and surf this great wave of technological change, they may be crushed by it." Discuss.

4. "The Internet can be described as 'the people's network'." Discuss.

5. Write concise notes on all of the following:

a. e-commerce

b. Data Flow Diagrams

c. Intranets

d. Gateways

e. HTML

DEVELOPMENT INFORMATION SYSTEMS AND SERVICES IN AFRICA I

TIME: Three hours.

ANSWER: Any four questions. All questions are of equal weight

1. "Investment in information infrastructure is correlated to national development." Discuss with reference to Africa
2. "The increase in information creation, also referred to as information explosion, does not in itself necessarily mean that people are better informed." Discuss with specific reference to Zambia
3. "There is need to re-define and re-skill the librarian in order to make the profession relevant in the modern information age." Discuss with reference to development information services in Africa
4. Illustrate the place of information in the democratic dispensation in Zambia.
5. What information system model would you recommend for the education sector in Zambia? Justify your recommendation.
6. Write short notes on the following:
   a. Components of a development information system
   b. System analysis
   c. System design
   d. PADIS
   e. "A subsystem could also be considered to be a system."

END OF EXAMINATION

TIME: Three hours.

ANSWER: Any four questions. All questions are of equal weight

1. "Noise and silence contribute to the ineffectiveness of various types of documents." Discuss, with reference to comparative advantages of various types of documents.
2. Discuss the challenges of acquiring documents from Africa.
3. Illustrate the services that a University of Zambia documentation centre should provide with reference to the needs of the undergraduate students.
4. Discuss the utility and weaknesses of the following bibliographic arrangements:
   a. Annalitical
   b. Chronological
   c. Alphabetico-classed
   d. Alphabetical
   e. Classified
5. "A National bibliography is a list of all records issued in a given country." Discuss the scope and limitations of this definition with respect to Zambia.
6. Write short notes on:
   a. Life of a document
   b. Material of documents
   c. Documents of material nature
   d. Iconic documents
   e. Documentary chain

END OF EXAMINATION