



COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE

NCIS 407 : ENTERPRISE ARCHITECTURE

END OF SECOND SEMESTER EXAMINATION

APRIL 2022

LECTURER: MR MUKHALELA

DURATION: 3 HOURS

INSTRUCTIONS

Answer **All** Practical Questions in Section A. Use allocated Lab computer. Save the files on your Desktop file name should be your Student ID and course code eg 2010398NCIS407.

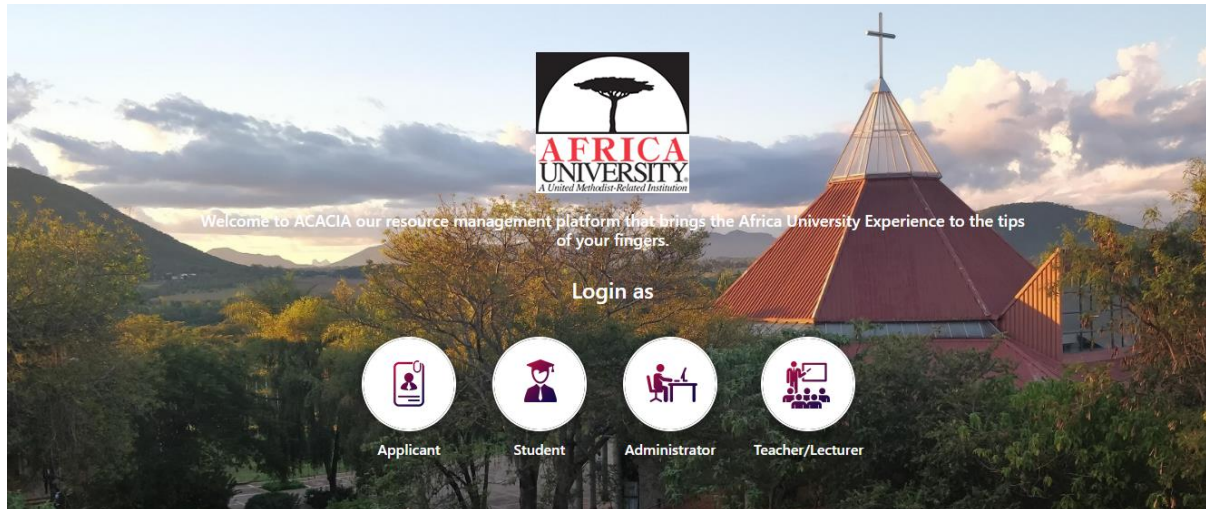
Answer any **One** (1) Question in Section B. Use Exam Answer Booklet for this section.

Credit will be awarded for logical, systematic and neat presentations.

Section A- Practical Session

Question 1.

Using XAMPP server and related web technologies, architecture AU's Enterprise Resource Application (ERP) as shown below. Use images supplied by the Exam Invigilator.



- Develop a central Database that will contain tables for each of the entities Applicant, Student, Administrator and Teacher/Lecturer. [25]
- Choose any one of these tables and then design End-User form for registering new entries of the chosen entity e.g. New Student Registration Form. [25]
- Develop a business logic script that would let the form data be send to the backend database developed in (a) above, such should be able to add new student into the Student table for example. HINT: Harness SQL Insert into query into your business logic script. [25]

Section B

Question 2.

During an ICT Conference you attended to, you heard Former Nestlé CIO Jeri Dunn saying, *“No major software implementation is really about the software. You are challenging their principles, their beliefs and the way have done things for many many years.”* Comment elaborately on this statement. [25]

Question 3

Discuss the implication of the dilemma on adjusting business policies and or procedures so as to suit the offered new ERP's way of doing business. Will you opt for adjusting the given ERP so as to suit your business needs or you will have to adjust your business rules and policies so as to fit the ERP's way of doing business? [25]

Question 4

Describe the steps that are taken in system Integration. What are the key benefits of integration?
[25]

End of Examination
