PAN AFRICA CHRISTIAN UNIVERSITY

BACHELORS OF INFORMATION COMMUNICATION TECHNOLOGY

END OF TERM EXAMINATION

DEPARTMENT: **COMPUTING & INFORMATION TECHNOLOGY**

COURSE CODE: **BIT/BSIT 304/DICT0212**

CAMPUS: **ROYSAMBU**

COURSE TITLE: **SOFTWARE ENGINEERING**

EXAM DATE: **TUESDAY**

TIME: **5:30PM – 8:30PM**

INSTRUCTIONS

- This exam carry a total of SIX Questions of [10 Marks Each]
- Section One (I) is compulsory.
- Answer any 3(Three) Questions from Section Two (II)
- Read all questions carefully before attempting.

Section One Compulsory 10 marks

Question One.

Evaluate how you will go about the following processes when given a tender to model a point-of-sale solution to PAC University student's cafeteria in your system deployment process.

a) Unit testing,
b) Integration testing.
c) User Acceptance testing
d) Feasibility Study
e) System Design **[10 marks].**

Section Two Attempt any Three Questions.

Question Two.

Your company called A-Z Solution has won a tender to upgrade the schools ERP software solution**.** You are therefore required to prepare and supply the client with initial Quotation document detailing your process approach. Draft a Terms of reference (TOR) Page on what will be your major areas of system upgrade for the client to adopt **[10 marks]**

Question Three

After taking part in a series of successful software projects, you have recently been appointed a project manager within a software engineering organization. Your first project in this position will be to build a large web-based application. The team has had experience of doing this type of work before. In all of the previous projects, requirements have been thoroughly been documented by the customers. The above scenario is an outline specification for a software project. Identify and defend the software module to use.

[10 Marks]

Question Four

Discuss in real life scenario how the following system investigation is done.

i. Document review
ii. Throw a way Prototype
iii. Evolutionary prototype.
iv. Sampling
v. Interviews. **[10 Marks]**

Question Five.

After a major release of a software system, there often follows a period of corrective maintenance.

i. Discuss why this should be done. **[5 marks]**

ii. Discuss how it could be avoided. **[5 marks]**

Question Six.

Construct FIVE differences between System Evolution & system reengineering

[10 **Marks]**

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