



PAN AFRICA CHRISTIAN UNIVERSITY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: BIT 402

CAMPUS: ROYSAMBU

COURSE TITLE: INFORMATION SYSTEMS AND AUDIT CONTROL

EXAM DATE: 5TH AUGUST 2021

TIME: 14:30-17:30PM

INSTRUCTIONS

- This exam paper has **six** questions
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other **three** questions in Section **B**.

SECTION A (Compulsory)

Question one

- a) Auditing an IS effectively requires that an auditor have knowledge of computers and their applications. Discuss the extent to which auditors should possess computer expertise to be effective auditors. **[8 Marks]**
- b) Describe in your own words the function of IT auditors **[2 Marks]**

SECTION B (Chose any THREE questions)

Question two

You have been contracted to carry out an IS Audit at Pac University's ICT Department. As an Auditor discuss in detail how you will go about the process clearly outlining the necessary steps.

[10 Marks]

Question three

- a) At present, no Pac University employees have auditing experience. To staff its new internal audit function, Pac could (a) train some of its computer specialists in auditing, (b) hire experienced auditors and train them to understand Pac's information system, (c) use a combination of the first two approaches, or (d) try a different approach. Discuss exhaustively the approach would you support, and why.

[6 Marks]

- b) Under COBIT, the following are IT resources:

- i. Data
- ii. Application systems
- iii. Technology
- iv. Facilities
- v. People

Explain their roles in system auditing

[4 Marks]

Question four

a) Pac University is developing a new system. As the internal IT auditor, you recommend that planning for the new system development should be consistent with the SDLC framework. IT personnel have identified the following as major activities to be completed within the upcoming system development.

- (i) Discussion of technical details and specification
- (ii) Functional requirement definition
- (iii) Conduct test of various scenarios
- (iv) Implementation planning
- (v) Document user procedures, deliver training
- (vi) Current system review.
- (vii) Ensure helpdesk is in place to provide support.
- (viii) Integration of security access controls within the code
- (ix) correct problems and implement enhancements
- (x) Data conversion procedure

Arrange these ten activities in the sequence in which they should take place.

[5 Marks]

b) Discuss why unauthorized remote access represents a risk to applications

[5 Marks]

Question five

Describe any five knowledge statements of an IS Auditor for the better understanding of the IS Audit process areas **[10**

Marks]

Question six

Auditing as a career has its own share of challenges. Discuss any five legal and ethical issues that affect Auditor's in their profession. **[10 Marks]**