



PAN AFRICA CHRISTIAN UNIVERSITY

BACHELOR OF BUSINESS INFORMATION TECHNOLOGY

END OF TERM EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: BIT 402

CAMPUS: ROYSAMBU

COURSE TITLE: INFORMATION SYSTEMS AUDIT AND CONTROL

EXAM DATE: WEDNESDAY, 19TH AUGUST 2020

TIME: START HOUR – END 14:00-17:00 HRS

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other **three** questions in Section **B**.
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SECTION A

(Answer ALL questions in this section)

Question 1:

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

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

(5 Marks)

b) The following are three ways in which IT can deliver value to organizations ,

- (i) Implementing successful properties and keeping operators running
- (ii) Automating business processes
- (iii) Being available for the organization as needed.

Giving examples explain how these three provide value to organizations.

(5Marks)

SECTION B

(Answer any THREE (3) questions in this section)

Question 2:

Discuss how the IT auditor can benefit the organizations System Development and Implementation process.

(10 Marks)

Question 3:

Your organization has recently developed criteria for a risk program. One goal of the program is to determine the adequacy and effectiveness of the company IT insurance coverage. Describe how an effective risk management program can enable a more cost effective use of IT insurance.

(10 Marks)

Question 4:

After going through an audit class you should feel comfortable about the general roles and responsibilities of an IT auditor

a) Describe in your own words what do IT auditors do.

(3 Marks)

b) Explain why IT Auditors should be part of the overall team when performing the annual financial audit of a client (2

Marks)

c) Technology has impacted the business environment in three areas. Discuss. (5 Marks)

Question 5:

a) Explain the significance of controls and provide examples on how they are used to safeguard the input, processing and output of information (6 Marks)

b) Explain why unauthorized remote access represents a risk to applications (4 Marks)

Question 6:

a) Describe emergency changes and their significance to management (4 Marks)

b) Discuss why revising documentation is an important part of change management (2 Marks)

c) Explain the purpose of change request form (2 Marks)

d) Explain why change request procedures should be documented (2 Marks)

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