FACULTY/COLLEGE	College of Business and Economics
SCHOOL	School of Consumer Intelligence and Information Systems
DEPARTMENT	Applied Information Systems
CAMPUS(ES)	APB
MODULE NAME	Business Analysis 3B
MODULE CODE	BAY03B1
SEMESTER	Second
ASSESSMENT OPPORTUNITY, MONTH AND YEAR	Final Summative Assessment Opportunity November 2019

ASSESSMENT DATE	November 2019	SESSION	2
ASSESSOR(S)	Dr Elizabeth Mkoba		
MODERATOR(S)	Mr. Mandlakayise SJ Thabethe		
DURATION	3 hours (180 min)	TOTAL MARKS	100

NUMBER OF PAGES OF QUESTION PAPER (Including cover page)	4

INFORMATION/INSTRUCTIONS:
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- This is a closed-book assessment.
- There are 7 questions. **Answer ALL questions**
- Read the questions carefully and answer only what is required.
- Number your answers clearly and correctly as per the question paper.
- Write neatly and legibly on both sides of the paper in the answer book, starting on the first page.
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Please read the case study **carefully** and answer **all** the questions below the case study.

Case study: EduTech Digital Classroom

EduTech is a private company listed on the Johannesburg stock exchange that builds primary schools around South Africa. EduTech was started by Dylan Rodriguez and Mia Piesang who have information technology and educational backgrounds respectively. They have a vision to reinvent schooling in the country and to provide affordable schools with high quality education. The core of EduTech's strategy is to go more digital and develop innovative educational environments such as the implementation of digital classrooms across their schools. The initial step is to implement digital classrooms in their two top schools in Umhlanga and Boksburg. This initiative serves to diversify EduTech from their competitors and provide innovative classrooms for children to learn and grow in. EduTech plans to partner with, amongst others, educational publishers, content designers and educational technology specialists to ensure their digital migration is successful. Digital classrooms focus on implementing blended learning as this student-centred approach creates a learning experience where students interact with each other, the instructor and content through thoughtful integration of online and face-to-face environments. The challenge for EduTech is how to go about implementing this concept so that digital classrooms maximise learning for all. The idea is to create a single digital classroom system where all digital components in the classroom can connect and interact so that blended learning can take place.

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SECTION A: CASE STUDY QUESTIONS

Question 1

You are the business analyst working on the digital classroom project and EduTech is facing a problem of connecting and integrating classroom smartboards into their digital classroom system. Apply the problem solving process model to assist EduTech.   **[5*3= 15 marks]**

Question 2

Defining a strategy is important for any business. Apply the **THREE** phased approach for developing a strategy to EduTech to assist them in clearly defining their digital school strategy.   **[3*5= 15 marks]**

Question 3

The first part of stakeholder analysis ensures that all project stakeholders are identified and categorised prior to initiation. Identify relevant stakeholders for EduTech's digital classroom initiative and categorise them accordingly. Provide a brief description for each stakeholder so that EduTech understands why the stakeholder was included.   **[8*2=16 marks]**

Question 4

There is a widespread of cyber security attacks around the world, EduTech cannot neglect addressing information security of their newly proposed digital classroom initiative. Discuss the **THREE** pillars of information security with regards to EduTech's initiative.   **[3*4=12 marks]**

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SECTION B: GENERAL QUESTIONS

Question 5

Concerns-Based Adoption model (CBAM) is a very useful tool when planning for a business change and support that people need as they adapt to change. Discuss **all** stages of the Concerns-Based Adoption model (CBAM) and provide a detailed discussion regarding the concerns that the various stakeholders could have with the rollout of educational streaming content to rural South Africa.

[7*2 = 14 marks]

Question 6

Prototyping is a powerful technique for developing information systems. Discuss what prototyping is and its advantages and disadvantages.   **[2+7+7=16 marks]**

Question 7

Among the responsibilities of a Business Analyst is to recommend solution for a company or organisation. Explain **SIX** factors to consider when delivering solution.   **[6*2= 12 marks]**

Total: 100 Marks

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