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UNIVERSITY OF SRI JAYEWARDENEPURA

Faculty of Technology

Bachelor of Information and Communication Technology Honours Degree
Academic Year 2021/2022

Fourth Year Second Semester Examination - April 2024

ITC4212: Information Systems Strategy and IT Governance

Duration: Two (2) Hours

Read and follow the instructions given below:

- This paper contains four (4) questions in three (3) pages.
- **“Index number”** should be written on top of each page of the answer script, and pages must be **numbered appropriately**
- Answer **all** questions

Question 1

Total Marks 25

- State four (4) symptoms of poor IT alignment. (4 Marks)
- Define IT maturity. (3 Marks)
- Explain the stages of IT maturity and the characteristics associated with each stage. (6 Marks)
- Discuss the evolution of IT functions in an organisation with the help of a diagram. (6 Marks)
- Assess the impact of the external environment on the implementation of IT governance strategies. (6 Marks)

Question 2**Total Marks 25**

“An organization without an IT governance framework is currently implementing a suitable IT governance framework to optimize the efficient use of its IT resources.” Answer the following questions based on this scenario.

- A. List three (3) ITG frameworks that can be used by the organization (3 Marks)
- B. Discuss two (2) potential risks and challenges associated with the lack of a structured ITG framework. (3 Marks)
- C. Evaluate the impact of three (3) different organisational factors on selecting an appropriate IT governance framework. (6 Marks)
- D. Stakeholder involvement is crucial in the selection process of an IT governance framework. Justify the statement with examples. (6 Marks)
- E. Provide a brief overview of the implementation plan for the selected IT governance framework within the organization (7 Marks)

Question 3**Total Marks 25**

- A. State the main components of a Business Strategy Plan. (5Marks)
- B. Explain the ever-increasing importance of Information Systems in modern organizations. (6 Marks)
- C. Explain the differences between Vision and Mission statements, considering their focus, timeframe, and content. (6 Marks)
- D. Describe the Information Systems Strategy Triangle with the help of a neat diagram (8 Marks)

Question 4**Total Marks 25**

- A. Explain Porter's Competitive Advantage model with examples. (5 Marks)
- B. Examine the benefits and strategic advantages of adopting social business strategies within today's environment. (6 Marks)
- C. Are Information Systems Strategies critical for implementing strategies in dynamic environments? Justify your answer with the help of an appropriate model. (8 Marks)
- D. "The strategic planning process encompasses three phases-situation analysis, strategy formulation, and strategy implementation". Discuss the statement. (6 Marks)

***** *End of the paper* *****