



UNIVERSITY OF EMBU

2017/2018 ACADEMIC YEAR

SECOND SEMESTER EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE DEGREE OF MASTERS OF BUSINESS
ADMINISTRATION**

DIS 511: INFORMATION SYSTEMS

DATE: APRIL 23, 2018

TIME: 2:00 PM – 5:00 PM

INSTRUCTIONS:

Answer any FOUR questions

QUESTION ONE (25 MARKS)

- a) Discuss why the study of ethics is paramount to information systems practitioners (5 marks)
- b) Modern business managers should have knowledge of information systems. Describe in your own words, how information systems knowledge can transform organizations (5 marks)
- c) As information technology's power and ubiquity have grown, its strategic importance has diminished. Discuss in support of this statement (5 marks)
- d) Explain any **five** business models that have been brought about by internet technologies. (5 marks)
- e) University of Embu is deliberating on whether to introduce an ERP system that is likely to have a consequence of 30 employees being declared redundant. In making a decision on whether to procure or not to procure the ERP system, list any **Five** candidate ethical principles that can guide the decision making process (5 marks)

QUESTION TWO (25 MARKS)

- a) Business world-over are increasingly investing in telecommunications and networks. List any **five** business value impacts of the telecommunications and networks (5 marks)

- b) Assess the challenges posed by information systems in the organizations and how the challenges identified can be addressed (10 marks)
- c) In your own words, explain any **five** reasons why information systems need special protection from destruction, error, and abuse (10 marks)
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QUESTION THREE (25 MARKS)

- a) Using Porter's Five Forces model, discuss how information technology can help an organization remain competitive (10 marks)
- b) Many organizations nowadays store their data in databases as opposed to using traditional files. Describe in your words, any **five** problems associated with the traditional file environment and how databases address the problems. (15 marks)

QUESTION FOUR (25 MARKS)

- a) Decision support systems are very crucial to professionals who are in the middle management within organizations. Describe any **two** components of decision support systems (5 marks)
- b) A two way relationship exists between information technology and organizations. Discuss this concept by looking at how the two influence each other. (10 marks)
- c) Many firms nowadays opt to outsource IT infrastructure rather than developing them from scratch in their firms. In your own words, discuss any **five** challenges of outsourcing (10 marks)

QUESTION FIVE (25 MARKS)

- a) Several approaches can be used by an organization when changing from an old system to a new system. Discuss any **two** conversion strategies (5 marks)
- b) Discuss any **four** enterprise applications. Include the business value of the application and challenges encountered when implementing these enterprise applications (20 marks)

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