

KENYATTA UNIVERSITY

SCHOOL OF ECONOMICS

DEPARTMENT OF APPLIED ECONOMICS

DSVOL EXAMINATION

SEMESTER 11 2019/2020 ACADEMIC YEAR

EAE 100: ECONOMICS OF INFORMATION TECHNOLOGY

INSTRUCTIONS:

1. Answer **Question ONE** and any other **TWO** questions.
2. Question **One** is **Compulsory**
3. All other questions carry **20 marks** each
4. **Time:** Two Hours

QUESTION ONE

- a) Using the payroll as an example, demonstrate the different stages of data processing (10 marks)

- b) Form design in *an organization such as Kenyatta University* is very important because it ensures that the forms *information* *required is* consistent to the needs of the organization. Explain the main factors to be considered when designing a form (10 marks)

- c) System review stage under the system life cycle is very important. Explain why this stage is important? (10 MARKS)

QUESTION TWO

- a) Distinguish between the following terms
- i. Transaction and batches (4 marks)
 - ii. Downsizing and rightsizing (4 marks)
 - iii. Firmware and hardware (4 marks)

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Moderated
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Question One carries how many marks?
~~30 marks~~ 30 marks

- b) Explain the different ways in which Information Communication and Technology dampens the severity of the business cycle (8 marks)

QUESTION THREE

- Information Technology*
- a) Has the wide use of ~~IT~~ improved workers' productivity in the Independent Electoral Boundaries Commission (IEBC) in Kenya? Explain your answer. (10 marks)
- b) You are the CEO of a new multinational corporation in Kenya. Describe the major elements that would be considered in the implementation process of a new system in corporation. (10 marks)

QUESTION FOUR

- a) Explain the meaning of the following terms (8 marks) *(2 marks each)*
- Patent rights
 - Copy rights
 - Trade marks
 - Property rights
- b) Explain the different types of programs and procedures used to operate computers and related devices (12 marks)

QUESTION FIVE

- a) Using a diagram, explain the system life cycle (12 marks) *See question 1(c) - almost same question*
- b) The arrangement of procedures and systems, and the allocation of duties should be done *as 5(a)* such that there is an automatic check on what is being done. *Set a different question*
- What is the importance of internal check in the organization (5 marks)
 - Give examples of the internal checks (3 marks)

dephaser - Gambia (i) and (ii)