

CHUKA



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CHUKA AND EMBU CAMPUSES

**EXAMINATION FOR THE AWARD OF DIPLOMA IN PROJECT PLANNING AND
MANAGEMENT**

PPMA 0124: PROJECT MANAGEMENT INFORMATION SYSTEM

STREAMS: DIP. PPMA

TIME: 2 HOURS

DAY/DATE: MONDAY 22/03/2021

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- **Attempt question one and any other two.**

QUESTION ONE (30 MARKS)

- (a) Define the following terms as used in project management information system
- | | |
|----------------------|-----------|
| (i) Data | (2 marks) |
| (ii) Information | (2 marks) |
| (iii) Computer virus | (2 marks) |
| (iv) Prototype | (2 marks) |
- (b) Briefly describe three types of computer systems. (6 marks)
- (c) Explain three dimensions of information system. (6 marks)
- (d) “Firms that support their technology investment s with investments in complementary assets receive superior returns.” Based on this statement analyze three major complementary investments that firms need to make to realize value form their information technology investments. (6 marks)
- (e) Outline four ways in which management will ensure proper ethical behaviour in relation to use of information systems. (4 marks)

QUESTION TWO (20 MARKS)

- (a) Differentiate phishing from click fraud. (4 marks)
- (b) Describe four competitive strategies enabled by information systems that firms can pursue. (8 marks)
- (c) Discuss four roles that information system plays in today's business organizations. (8 marks)

QUESTION THREE (20 MARKS)

- (a) Describe Porter's five competitive forces that shape industry competition. (10 marks)
- (b) Information technology infrastructure is composed of components that constitute investment that must be coordinated with one another to provide the firm with a coherent infrastructure. Describe five such components. (10 marks)

QUESTION FOUR (20 MARKS)

- (a) The IT infrastructure in organizations today is an outgrowth of over 50 years of evolution in computing platforms. There have been five stages in this evolution, each representing a different configuration of computing power and infrastructure elements. Outline these five stages. (5 marks)
- (b) Highlight five features of organizations. (5 marks)
- (c) The activities that go into producing an information system solution to an organizational problem or opportunity are called systems development. State and explain these core activities. (10 marks)

QUESTION FIVE (20 MARKS)

- (a) Write short notes on the following contemporary hardware trends.
 - (i) Emerging mobile digital platform. (3 marks)
 - (ii) Cloud computing. (3 marks)
 - (iii) Green computing. (3 marks)
 - (iv) Autonomic computing. (3 marks)
- (b) Outline any four technologies for collaboration and team work. (4 marks)
- (c) Differentiate strategic level and operational level of management. (4 marks)

