

# KASNEB

## DICT LEVEL III

### INFORMATION SYSTEMS PROJECT SKILLS

TUESDAY: 23 May 2017.

Time Allowed: 3 hours.

Answer ALL questions. Marks allocated to each question are shown at the end of the question.

#### QUESTION ONE

- (a) Describe the four phases of an information systems project life cycle. (8 marks)
- (b) Explain the following project management parameters:
- (i) Project goal. (2 marks)
- (ii) Project timeline and order. (2 marks)
- (iii) Project milestones. (2 marks)
- (c) A simple project has the following project data:

Activity	Preceding Activity	Duration (Weeks)
A	-	1
B	-	2
C	A	1
D	-	5
E	B	1
F	C	1

- (i) Construct a network diagram for the above project. (4 marks)
- (ii) Identify the critical path of the project. (2 marks)

(Total: 20 marks)

#### QUESTION TWO

- (a) Summarise four benefits that could arise from the use of computerised planning tools in information systems project planning process. (8 marks)
- (b) When initiating an information systems project, it is necessary to have body of knowledge about project cost management.

##### Required:

Examine four information systems project cost management processes that would be required to ensure that the project is completed within the approved budget. (8 marks)

- (c) Suggest four results of using information systems project management tools and techniques. (4 marks)

(Total: 20 marks)

#### QUESTION THREE

- (a) Explain the role of the following information systems project management concepts:
- (i) Work breakdown structures (WBS). (2 marks)
- (ii) Risk management strategies. (2 marks)
- (iii) Project schedule. (2 marks)
- (iv) Monitoring and control methods. (2 marks)

- (b) (i) Define the term “project charter” as used in information systems project management. (2 marks)
  - (b) (ii) Highlight five components that should be included in an information systems project charter. (5 marks)
  - (c) In relation to information systems projects, explain the meaning of:
    - (i) Cost/benefit analysis. (2 marks)
    - (ii) Benefits realisation. (3 marks)
- (Total: 20 marks)**

**QUESTION FOUR**

- (a) Describe five common sources of risk in information systems projects. (10 marks)
  - (b) (i) Suggest three main ways that could be used to define “information systems project scope”. (3 marks)
  - (b) (ii) Distinguish between “external deliverables” and “internal deliverables” in the context of information systems project scope. (4 marks)
  - (c) Highlight three objectives of an information systems project. (3 marks)
- (Total: 20 marks)**

**QUESTION FIVE**

- (a) Identify six essential skills of an information systems project manager. (6 marks)
- (b) Outline four conditions which could indicate that an information systems project has come to an end. (4 marks)
- (c) Suggest four reasons for monitoring the progress of an information systems project during the execution phase. (4 marks)
- (d) Establishing management procedures is one of the activities of an information systems project initiation activities.

**Required:**

Summarise six management procedures which are established during information systems initiation activities. (6 marks)

**(Total: 20 marks)**

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