

KASNEB

CICT PART III SECTION 6

INFORMATION SYSTEMS PROJECT MANAGEMENT

FRIDAY: 25 November 2016.

Time Allowed: 3 hours.

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

QUESTION ONE

- (a) Summarise five productive information systems project lifecycle models. (10 marks)
- (b) Lack of historical data and prior knowledge makes it difficult to estimate the cost of an information systems project.

Required:

Formulate a checklist that could assist an information systems project manager in identifying, quantifying and estimating an information systems project cost. (5 marks)

- (c) Citing two advantages and three disadvantages, explain the term "exception report" in relation to information systems projects. (5 marks)
- (Total: 20 marks)**

QUESTION TWO

- (a) Describe three quality control methods that could be employed in an information systems project. (3 marks)
- (b) Every information systems project is exposed to some risks and hence there is need to manage the risks when carrying out information systems project.

Required:

Evaluate the main steps you would take when carrying out information systems' project risk management tasks. (5 marks)

- (c) A project has the following duration and resources requirements:

Activity	Preceding activity	Duration (days)	Resource requirements (units)
A	-	6	3
B	-	3	2
C	-	2	2
D	C	2	1
E	B	1	2
F	D	1	1

Required:

- (i) A network diagram. (4 marks)
- (ii) A Gantt Chart. (3 marks)
- (iii) Resource aggregation profile. (3 marks)
- (iv) Assuming that there are only six units of resources available, identify the resource plan. (2 marks)
- (Total: 20 marks)**

QUESTION THREE

- (a) Suggest six general requirements for evaluating an information systems project management package. (6 marks)
- (b) Project scope refers to all the work involved in creation of products of a project and the processes used to create them.

Required:

Discuss five main processes involved in project scope management. (10 marks)

- (c) Highlight four approaches that could be used to develop a work breakdown structure (WBS). (4 marks)
- (Total: 20 marks)**

QUESTION FOUR

- (a) A vendor is responding to a request for proposal for an information systems project.

Required:

Analyse five items which should form part of the content of the proposal when the vendor is responding to the request for proposal. (5 marks)

- (b) Describe four problems associated with project scheduling. (4 marks)
 - (c) Evaluate five methods of monitoring the performance of suppliers in information systems projects. (5 marks)
 - (d) Explain three steps which could be used to ensure proper change control of an information systems project. (6 marks)
- (Total: 20 marks)**

QUESTION FIVE

- (a) Outline six information systems project quality management principles. (6 marks)
 - (b) Summarise four types of customers in an information systems project. (4 marks)
 - (c) Discuss five phases of an information systems project. (5 marks)
 - (d) Elaborate the meaning of the acronym "CLEAR" as used in information systems projects. (5 marks)
- (Total: 20 marks)**
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