



kasneb

DICT LEVEL III

INFORMATION SYSTEMS PROJECT SKILLS

TUESDAY: 18 May 2021.

Time Allowed: 3 hours.

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

QUESTION ONE

- (a) Table 1 below shows the tasks, description, duration and predecessors in a project. The project assumes the team will work a standard working week (5 working days in one week), and that all tasks will start as soon as possible.

Table 1

Task	Description	Duration (working days)	Predecessor/s
A	Requirement analysis	5	
B	System design	15	A
C	Programming	25	B
D	Telecoms	15	B
E	Hardware installation	30	B
F	Integration	10	C, D
G	System testing	10	E, F
H	Training/support	5	G
I	Handover and Go-LIVE	5	H

Required:

- (i) Determine the critical path of the project. (7 marks)
- (ii) Calculate the planned duration of the project in days. (2 marks)
- (iii) Identify any non-critical tasks. (2 marks)
- (b) (i) Define the term "communication". (1 mark)
- (ii) Discuss the four importance of effective communication in project management. (8 marks)
- (Total: 20 marks)

QUESTION TWO

As an Information Systems project manager, you have been tasked to oversee the development of a hydro-power software system.

Required:

- (a) Outline six benefits of coming up with a software prototype. (6 marks)
- (b) Discuss the process of managing the risks during the development of hydro-power software system. (8 marks)
- (c) Discuss three levels during which the hydro-power software development project could be tested. (6 marks)
- (Total: 20 marks)

QUESTION THREE

- (a) Evaluate eight benefits of Information Systems project management skills. (16 marks)
- (b) Examine four possible causes of failed Information Systems projects. (4 marks)

(Total: 20 marks)

QUESTION FOUR

- (a) As the head of an Information Communication Technology (ICT) company, you are required to recruit a team leader of a team that is undertaking an Enterprise Resource Planning (ERP) system.

Required:

Analyse five qualities you would be looking for in such a team leader. (10 marks)

- (b) Discuss five roles of an Information System project team leader. (10 marks)

(Total: 20 marks)

QUESTION FIVE

- (a) Discuss five benefits of using a Work Breakdown Structure (WBS) in Information Communication Technology projects (10 marks)

- (b) Identify five issues which would be considered when planning an Information System's project. (5 marks)

- (c) Summarise five challenges that could be faced in an Information Systems development project when transiting from one development team to another. (5 marks)

(Total: 20 marks)

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