



## **The Co-operative University of Kenya**

**END OF SEMESTER EXAMINATION APRIL-2022**

**EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS AND  
INFORMATION TECHNOLOGY/ BACHELOR OF STATISTICS AND IT  
(YR3 SEM1)**

**UNIT CODE: BCIT 3116: ICT PROJECT MANAGEMENT**

**DATE: APRIL, 2022**

**TIME: 2 HOURS**

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**INSTRUCTIONS:** Answer question one and any other two questions

### **QUESTION ONE**

**(30 MARKS)**

a) Describe the following concepts as used in project management

(i) Project

(2 marks)

(ii) Monitoring and Evaluation

(4 marks)

b) Explain briefly two attributes that make ICT project different from other types of projects

(4 marks)

c) Describe two roles of a project manager.

(2 marks)

d) Describe an overall framework for a project Integration management as it relates to the other project management knowledge areas and project life cycle.

(4 marks)

e) Discuss four (4) tools used in the estimate activity resource process

(4 marks)

f) Describe how project management software could assist in project time management and review.

(4 marks)

g) Compare and contrast the Project Life Cycle and the System Development Life Cycle

(6 marks)

### **QUESTION TWO**

a) How can information systems help individual project managers make better decisions when the problems are nonroutine and constantly changing?

(8 Marks)

- b) Discuss any **four** tools used in estimating activity resources (4 Marks)
- c) Discuss the importance of integration management in project management (8 Marks)

### QUESTION THREE

- a) Discuss the importance of carrying out feasibility study on ICT projects (8 Marks)
- b) Are there any special systems that can facilitate decision making among senior managers? Exactly what can these systems do to help high-level management? (8 Marks)
- c) Describe any four human resources needed in an ICT projects (4 Marks)

### QUESTION FOUR

- a) Explain the following terms in ICT projects (6 Marks)
  - i) Quality planning
  - ii) Quality assurance
  - iii) Quality control
- b) Identify an ICT project of your choice and explain how you can apply the four phases of project (8 Marks)
- c) Compare and contrast Gantt chart and critical path method used in time management (6 Marks)

### QUESTION FIVE

The Inspector General (IG) of police intends to eliminate the following; a)The manual Occurrence Book(OB) at the police stations, b)The manual finger printing procedures at the CID offices in order to mine or discover criminal patterns between data-sets sitting in manual registers scattered at different offices across the country. As an expert in ICT Project Management, specifically on system development, kindly advise him on the following;

- i)How to introduce this new development in the entire police force. (5mks)
- ii) The steps he needs to undergo in order to bring about this change (SDLC), concisely and cogently without expensive omissions. (15mks)