



**KISII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF**  
**BACHELOR OF SCIENCE IN APPLIED COMPUTER SCIENCE**  
**SECOND SEMESTER 2023/2024**  
**[JAN – APRIL, 2024]**

**ACMP 200/COMP 202: INTERACTIVE DESIGN AND PROJECT MANAGEMENT**

**STREAM: Y2 S2**

**TIME: 2 HOURS**

**DAY: FRIDAY, 12:00 - 2:00 P.M.**

**DATE: 12/04/2024**

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**INSTRUCTIONS**

- 1. Do not write anything on this question paper.**
- 2. Answer question ONE (Compulsory) and any other TWO questions.**

**QUESTION ONE [30 Marks]**

- Briefly describe THREE ways of improving project communications (3 Marks)
- After an organization identifies and quantifies risks, it must develop an appropriate response to them. Identify FOUR basic response strategies for negative risks. (6 Marks)
- List and describe **FOUR** aspects of project quality assurance (4 Marks)
- Outline FOUR criteria for project success (4 Marks)
- Explain the difference between business as usual and project giving examples in each case (4 Marks)
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- List and describe the roles of software project stakeholders (4 Marks)
- Describe the pricing factors software project manager may consider during the cost estimation process (5 Marks)

**QUESTION TWO [20 Marks]**

- Describe THREE ways of developing a work breakdown structure. (3 Marks)

- b). Explain the Steps in PERT Planning Process (5 Marks)
- c). Describe FIVE cost management techniques used in project management (12 Marks]

**QUESTION THREE [20 Marks]**

- a). Outline FIVE main processes involved in project scope management. (5 Marks)
- b). A system project is regarded as having economic feasibility when its benefits exceed its costs. List and describe the types of benefit and types of cost which may be accrued from Information Technology project. (8 Marks)
- c). Explain the elements of project life cycle (7 Marks)

**QUESTION FOUR[20 Marks]**

- a). As an Information Technology project manager at Ultimate Lab Solution Ltd. describe six skills that you as a project manager need in order to successfully complete the project, highlighting why each skills necessary. (6 Marks)
- b). Explain the FOUR frames of organizations and how can they help project managers understand the organizational context for their projects. (8 Marks)
- c). State the relevance of Maslow’s hierarchy to a software project manager in the management of project team members (6 Marks)

**QUESTION FIVE [20 Marks]**

- a). Describe the triple constraints of a project. (5 Marks)
- b). A consultant has identified a number of activities, their preceding activities and time estimates for the redefinition project

Activity	Activity Description	Preceding Activity	Estimated Duration in (Days)
A	Define and agree on terms of reference	-	6
B	Re-define functional requirements	A	4
C	Define non-functional requirements	A	2
D	Define process models	B	7
E	Models	B	4
F	Define static infrastructure requirements	C	8
G	Prepare final report and recommendations	D,E,F	4

**Required**

- i) Draw a network chart for this project (10 Marks)
- ii) Identify the critical path (2 Marks)
- iii) State the estimated duration of the project (3 Marks)