



"Investing in Africa's Future"

COLLEGE OF ENGINEERING AND APPLIED SCIENCES (CEAS)

NCSC 402: PROJECT MANAGEMENT

END OF SECOND SEMESTER EXAMINATIONS

APRIL 2025

LECTURER: DR. TENDAI ZENGEMI

TIME: 3 HOURS

INSTRUCTIONS

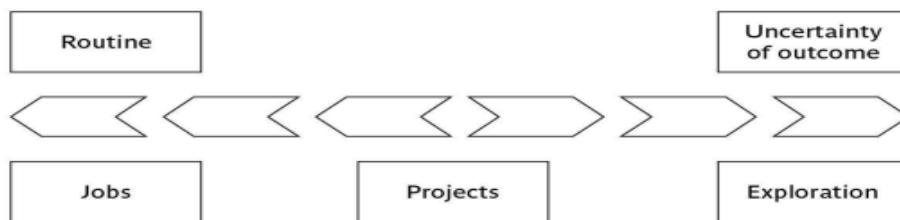
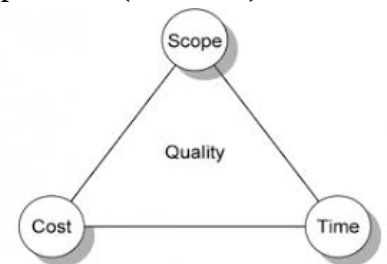
You are required to answer questions as instructed in each section

Start each question on a new page in your answer booklet

SECTION A

Please answer all the Questions in Section A:

1. What was the name of your Project, roles and your core business activities? (5 marks).
2. What was the Mission, Vision and Objectives of your project? (6 marks)
3. Draw your project's Gantt chart. (5 marks)
4. What is a project Budget and why is it important? (4 marks)
5. What obstacles or constraints did you face during the execution of your project? (5 marks)
6. What were your Project wins and what made you achieve this success? (5 marks)
7. A Project is a team effort. True or False? Justify your answer with the experience from your project. (5 marks)
8. What is the definition of a project. (5 marks)
9. What are the roles of a project manager? What skills should he or she possess? (10 marks)
10. Explain the Trade-Off Triangle in Project Management (5 marks)
11. Explain this diagram in terms of Project Management. (5marks)



SECTION B

Answer 2 Questions only:

12. Explain these concepts in Project Management (20 marks)

- Integration Management
- Scope Management
- Time management
- Cost Management
- Quality Management
- Human resources Management
- Communication Management
- Risk Management
- Procurement Management
- A Project Charter

13. a) Discuss the Triple Constraints of Project Management (9 marks)

b) Why do Projects fail? (6 marks)

c) Why is it important to communicate with stakeholders during the project? (5 marks)

14. a) With examples, explain the concept of Project participants or Stakeholders in a construction project. (10 marks)

b) Analyse the reasons why projects are initiated. (3 marks)

c) Why should the Project Manager always track progress and monitor the project? (2 marks)

d) Can you just close a project without any procedures followed? Give your reasons and recommendations. (5 marks)

15. With the help of drawings and explanations, fully describe the steps you would follow to undertake a **Student Attendance System at Africa University** project from start to finish. As the **Project Manager**, describe all the steps, participants, rules, assumptions, obstacles, advantages, disadvantages, controls, considerations and processes you would follow. (20 marks)

16. With the help of drawings and explanations, fully describe the steps you would follow to undertake an **Africa University, College of Engineering School Trip Nyanga** project from start to finish. As the **Project Manager**, describe all the steps, participants, rules, assumptions, obstacles, advantages, disadvantages, controls, considerations and processes you would follow. (20 marks)

END OF EXAMINATION