



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF LAW, BUSINESS INTELLIGENCE AND ECONOMICS

DEPARTMENT OF ECONOMICS, MARKETING AND ENTREPRENEURSHIP
EXAMINATION PAPER

COURSE CODE : CPS 413

COURSE TITLE : Project In Supply chain Management

SPECIAL REQUIREMENTS : NO SPECIAL REQUIREMENTS

DURATION : 3 Hours

LEVEL : 4:2

DATE : 13 JUN 2025

INSTRUCTIONS TO CANDIDATES:

1. No cell phones are allowed in the examination venue.
2. **QUESTION ONE IS COMPULSORY**
3. Answer **QUESTION ONE AND ANY THREE (3)** questions.
4. Begin each question on a new page.
5. The number of marks for each question or part question is shown in brackets []
6. Use of practical examples where necessary is encouraged

QUESTION ONE

A small project consisting of eight activities has the following characteristics:

Time Estimates (in weeks)

Activity	Preceding activity	Most Optimistic time(a)	Most likely time (m)	Most pessimistic time (b)
A	-	2	4	12
B	-	10	12	26
C	A	8	9	10
D	A	10	15	20
E	A	7	7.5	11
F	B,C	9	9	9
G	D	3	3.5	7
H	E,F,C	5	5	5

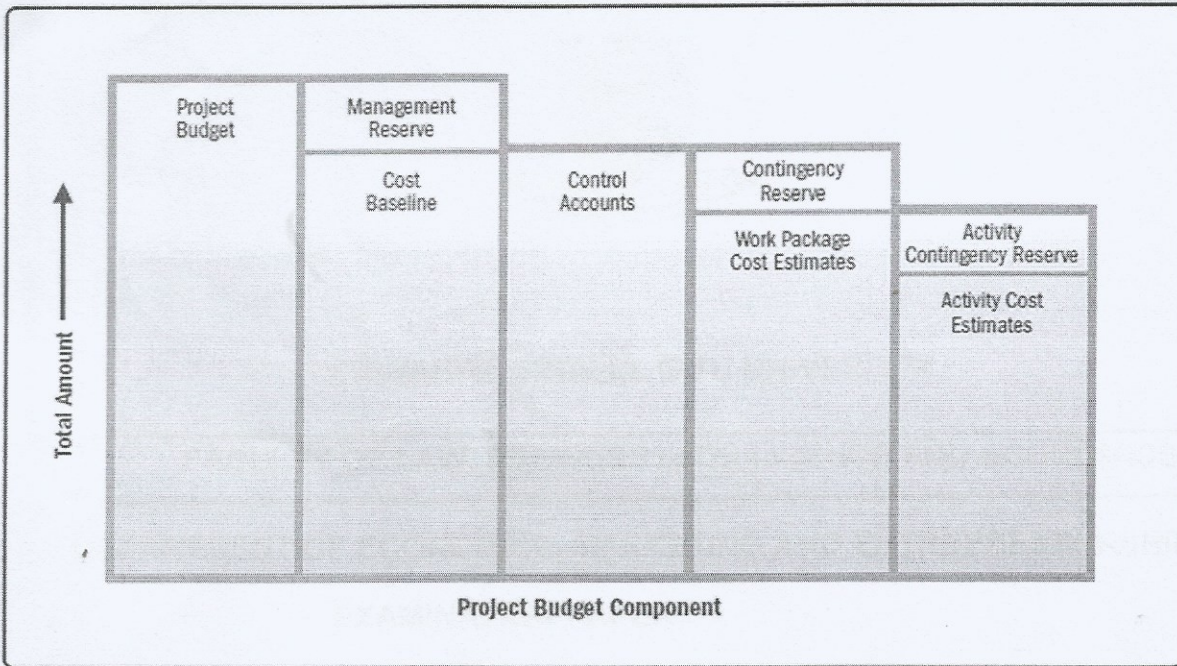
- i) Draw a PERT Network for the project. **(10 Marks)**
- ii) Prepare the activity schedule for the project. **(10 Marks)**
- iii) Determine the critical path and show the variance of the project. **(5 Marks)**

QUESTION TWO

- i) Explain the quality flow diagram. Use of the diagram will attract 4 marks **(20 Marks)**
- ii) Give five Importances of Quality Management . **(5 Marks)**

QUESTION THREE

In project costing, it is important that Projects are well financed to avoid incomplete projects. Explain the graph below in relation to Project Costing.



(25 Marks)

QUESTION FOUR

Explain these terms in detail and give a practical example in each explanation:

- i) Plan Schedule Management (5 Marks)
- ii) Define Activities (5 Marks)
- iii) Sequence Activities (5 Marks)
- iv) Project Schedule Network (5 Marks)
- v) Control Schedule (5 Marks)

QUESTION FIVE

- a. Explain the stakeholder management process. Include the flow chart in your explanations. It attracts 4 marks. (25 Marks)

THE END

10/15 Am