

MANICALAND STATE UNIVERSITY OF APPLIED SCIENCES

FACULTY OF ENGINEERING

Department of Chemical and Processing Engineering

PROJECT MANAGEMENT

CODE: HCHE 512

SESSIONAL EXAMINATIONS

January-February 2020

DURATION: 3 HOURS

EXAMINER: Mr P. Nyamhute MSIZ, AIAZ

INSTRUCTIONS

- 1. Answer any five questions from six questions given.*
 - 2. Each question carries 20 marks.*
 - 3. Total marks 100*
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QUESTION ONE- Introduction to a Project

In relation to the following characteristics of a project, explain why projects fail.

- i) Scope (4)
- ii) Unique (4)
- iii) Change (4)
- iv) Temporary (4)
- v) Risk (4)

[Total 20 marks]

QUESTION TWO- Introduction to a Project

- a) With the aid of a diagram explain the constraints that affect a project (8)
- b) Using examples briefly Discuss these factors that lead to creation of projects 1) Technology 2) Natural Disasters 3) Political 4) Statutory (12)

[Total 20 Marks]

QUESTION THREE – Introduction to Project Management

Explain how Project Management controls the following aspects of a project,

- i) Scope (4)
- ii) Cost (4)
- iii) Time (4)
- iv) Quality (4)
- v) Benefits (4)

[Total 20 Marks]

QUESTION FOUR – Introduction to Project Management

You have been tasked by the Ministry of Health to participate in a team to design a corona virus disinfected for public transport in Zimbabwe.

Briefly explain the project management phases that your project will go through.

[Total 20 Marks]

QUESTION FIVE – Project Stakeholders

a) You have been tasked to design a new chemical to deal with army worms in a community with people of diverse cultural and religious practices. Identify the various stakeholders to your project and how each stakeholder is affected by or affects the project. (10)

b) Stake holders are either positive stakeholders or negative stakeholders. With aid of examples explain i) positive stakeholders and ii) negative stakeholders. (10)

[Total 20 Marks]

QUESTION SIX – ICT in Project Management

Information Communications and Technology (ICT) provides tools for project success . Discuss with aid of examples. [Total 20 Marks]

END OF PAPER