



ZIMBABWE

UNIVERSITY

EZEKIEL GUTI

FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

DEPARTMENT OF DIGITAL TECHNOLOGY

EXAMINATION PAPER

COURSE CODE : CDT 412
COURSE TITLE : Technopreneuership
SPECIAL REQUIREMENTS : None
DURATION : 3 Hours
LEVEL : 4.1
DATE : August 2021

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INSTRUCTIONS TO CANDIDATES:

1. Answer any 5 Questions from the whole paper.
2. The total Marks for the examination is 100.
3. The marks allocation for each question are indicated in square brackets [] .

Question 1

Define the following terms and citing practical examples drawn from companies in Zimbabwe, elucidate how they relate to technopreneurship in organizations;

- i. Science [5marks]
- ii. Engineering [5marks]
- iii. Technology [5marks]
- iv. High-tech. [5marks]

Question 2

- a. Explain in detail the significance of technopreneurship in this digital world [10marks]
- b. Technopreneurship is fairly a new field explain the barriers of it in developing countries like Zimbabwe [10marks]

Question 3

- a. Explain characteristics of technopreneur [5marks]
- b. Identify and explain successful traits of a technopreneur [5marks]
- c. Using practical examples explain the difference between entrepreneurs and technopreneurs [10marks]

Question 4

- a. Identify Zimbabwean organisations that have taken their core competences and established new businesses within themselves. To what extent have these organisations embraced technopreneurship? Consider the following organisations;
 - i. ZESA Holdings- Establishing ZENT ie ZESA Enterprises, Powertel
 - ii. Econet-Ecocash
 - iii. NetOne- Onewallet, internet facilities.
 - iv. Telecel-Telecash

- v. Grain Marketing Board-establishing a milling and packaging business-silo products [10marks]

- b. Using practical examples explain the similarities of entrepreneurs and technopreneurs [10 marks]

Question 5

Identify organisations in Zimbabwe which are engaged in ecotechnopreneurship and explain how their activities contribute to economic growth and sustainable development. Consider the following organisations. Are these organizations ecotechnopreneurial entities?

- i. Trek
- ii. ZimPlats
- iii. Unki Mine
- iv. Zimbabwe Power Company (ZPC).
- v. Ecocash

Question 6

- a. Examine the ecotechnopreneurship opportunities existing in most of Zimbabwe's towns and cities and elaborate how ecotechnopreneurs and ecotechnopreneurial organisations can exploit them to create long-term value to the Zimbabwean economy through technology and innovation. Consider the following;
- i. Mine dumps in places such as Shekleton and Alaska in Chinhoyi.
 - ii. Mhangura and Mutorashanga mine dumps
 - iii. ZPC coal ash dumps at Harare, Bulawayo and Munyati Thermal Power Stations.
 - iv. Sewage disposals
 - v. Waste material eg papers, water etc. DH leftovers can be used as animal feeds by animal production students instead of throwing them away. [10 marks]
- b. Using practical examples evaluate the relevance of ecotechnopreneurship to organisations in both the public and private sectors of the Zimbabwean economy. [10 marks]

End of Paper