



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF COMMERCE, HUMAN SCIENCE AND EDUCATION

DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING (DTVET)

QUALIFICATION: DIPLOMA IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING : TRAINER	
QUALIFICATION CODE: 06DTVT	LEVEL: 6
COURSE CODE: ESB620S	COURSE NAME: EDUCATION FOR SUSTAINABLE DEVELOPMENT B
SESSION: NOVEMBER 2025	PAPER: PAPER 1
DURATION: 3 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	MR DAVID MATEU
MODERATOR:	MRS CHARLENE KAEREHO

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL the questions.2. Read all the questions carefully before answering.3. Number the answers clearly

THIS QUESTION PAPER CONSISTS OF 2 PAGES EXCLUDING THIS COVER PAGE

SECTION A

QUESTION 1 TRUE OR FALSE (1 MARK EACH)

Say whether the following statements are true or false

- A. Non-renewable energy comes from natural sources, such as sunlight, wind, water, and biomass, that replenish faster than they are consumed, providing a sustainable energy supply.
- B. Blue society is using science and innovation to create eco-friendly products and processes that mitigate humanity's environmental impact, conserve natural resources
- C. Burning fossil fuels for energy causing air pollution and climate change is known as greenhouse effect.
- D. The ozone layer is in the upper atmosphere and protects Earth by absorbing harmful ultraviolet (UV) radiation from the sun.
- E. Uranium is an example of renewable source.
- F. recycle involves using an item again for its original or a new purpose without changing its form, while reuse transforms waste materials into new raw materials to create different products.
- G. An increase in the amount of goods and services produced per head of the population over a period of time is known as economic growth.
- H. Greening the TVET campus involves growing and planting of trees on campus.
- I. Ozone layer acts like a blanket in the air, trapping heat in the atmosphere, and warming up the Earth.

(10 Marks)

QUESTION 2

Match column B with column A

COLUMN A	COLUMN B
1. Greening TVET campus	A. An energy-efficient, long-lasting, and environmentally friendly light source that produces light by passing an electrical current through a microchip made of semiconductor material.
2. Green jobs	B. It the act of using an item multiple times for its original purpose or a different one,
3. Green skills	C. A social movement that places the ocean at the heart of human progress and well-being, advocating
4. Renewable energy	
5. Non-renewable energy	
6. Blue society	
7. Eco-friendly Tech.	
8. LED bulbs	
9. Recycle	
10. reuse	

	<p>for its conservation and sustainable use for future generations.</p> <ul style="list-style-type: none"> D. Energy from a source that is not depleted when used, such as wind or solar power. E. Designed to minimize harm to the environment by reducing pollution, conserving resources, and using renewable materials. F. The process of collecting used or waste materials, such as plastic, glass, metal, and paper, and transforming them into new products. G. The knowledge, abilities, values and attitudes needed to live in, develop and support a sustainable and resource-efficient society. H. Contribute to preserving or restoring environmental quality, while also meeting longstanding demands and goals of the labour movement, such as adequate wages, safe working conditions and workers' rights. I. Transforming a Technical and Vocational Education and Training (TVET) institution into a more sustainable and environmentally responsible entity by integrating green practices into its curriculum, campus management, and daily operations. J. Comes from finite natural resources, such as fossil fuels (coal, oil, natural gas) and uranium, that cannot be replenished within a human timescale once they are used.
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SECTION B

QUESTION 1

- A. Discuss one way on how you will incorporate sustainable development in your lesson in the classroom as a TVET trainer. (10 Marks)
- B. Discuss one way on how you will handle waste material in your workshop at the TVET campus. (10 Marks)
- C. Discuss any ten (10) ways how you will educate the community around you on the concept of education for sustainable development. (2 Marks each)
- D. Discuss three pillars of sustainable development (10 Marks)
- E. List any five examples of renewable energy. (10 Marks)

QUESTION 2

Look at the image below and answer the following questions



Source: Google image

- A. Explain what you see in the picture above. (2 Marks)
- B. Discuss the cause of the phenomenon you see in the picture. (5 Marks)
- C. Write down the consequences of if what you see in the picture is not properly handled. (3 Marks)
- D. Suggest any five ways of handling phenomenon you see in the picture. (10 Marks)

[TOTAL MARKS: 20]

[End of Paper]

TOTAL MARKS:100