

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**



**FACULTY OF ENVIRONMENTAL SCIENCE**

**DEPARTMENT OF FOREST RESOURCES AND WILDLIFE MANAGEMENT**

**HUMANS & ENVIRONMENT (EFW 1101)**

**Main Examination Paper**

**December 2024**

This examination paper consists of 2 pages

Time Allowed: 3 hours  
Total Marks: 100  
Special Requirements: NIL  
Examiner's Name: Miss B Ngwenya  
External Examiner: Prof. E. Chivandi

**INSTRUCTIONS**

1. Answer **QUESTION ONE** and any **THREE** others
2. Each question carries 25 marks

**MARK ALLOCATION**

<b>QUESTION</b>	<b>MARKS</b>
1.	25
2.	25
3.	25
4.	25
5.	25
6.	25
<b>TOTAL</b>	<b>100</b>

1. (a) Discuss how human population dynamics impact economic development and the quality of the environment. **[20 marks]**  
(b) Describe the actions that can be taken to mitigate the harmful impacts of human population growth. **[5 marks]**
2. (a) Distinguish between density dependent and density independent factors affecting population sizes. **[13 marks]**  
(b) Describe four types of human population change. **[12 marks]**
3. Describe the state of the environment in Zimbabwe, citing relevant biodiversity hotspots in Africa. **[25 marks]**
4. With reference to Zimbabwe, discuss five potential human-mediated causes of ecosystem degradation. **[25 marks]**
5. Discuss how communities in developing nations can possibly adapt and improve resilience to impacts of climate change. **[25 marks]**
6. Sustainable Development Goals (SDG's) are said to be the blueprint to achieve a better and more sustainable future for all. Discuss. **[25 marks]**