



**LOCATION: SWANSEA**

**LLEOLIAD:  
ABERTAWE**

**LEVEL 5**

**LEFEL 5**

**EXAMINATION PERIOD  
MAY 2025**

**CYFNOD ARHOLIADAU  
MAI 2025**

**MODULE CODE: ACNA5001  
COASTAL, MARINE AND WILDLIFE CONSERVATION**

**TIME: 2 HOURS**

**ANSWER TWO QUESTIONS OUT OF FOUR**

*Equipment or materials required - None*

*Adnoddau neu ddefnyddiau sydd eu hangen - Dim*

1. More than 80% of marine pollution comes from land-based activities. From coral bleaching to sea level rise, entire marine ecosystems are rapidly changing. Conservationists advocate creating expansive marine reserves to protect biodiversity of the oceans.  
  
(a) Discuss, using examples, the main sources of anthropogenic pollution and how this is affecting the oceans. **[25]**  
  
(b) Evaluate the benefits and limitations of marine reserves as a measure for conserving marine biodiversity. **[25]**
2. (a) Critically appraise the methodologies by which we monitor wildlife in marine and coastal environments detailing the pros and cons of each method. **[35]**  
  
(b) Discuss which of these methods would be most appropriate for marine mammals? **[15]**
3. Discuss the strengths and weaknesses of hard and soft engineering options to combat sea level rise. Use case studies or examples to support your points. **[50]**
4. Using examples or case studies  
(a) Describe the main methods used to map the oceans. **[25]**  
  
(b) Outline the use of GIS for coastal monitoring **[25]**

**Diwedd/End**