Summer Examinations 2015

ENV301215N

<table>
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<tr>
<th>Module Title</th>
<th>Hazardous Wastes Management</th>
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<tr>
<td>Level</td>
<td>Six</td>
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<tr>
<td>Time Allowed</td>
<td>Two hours</td>
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Instructions to students:

- Enter your student number **not** your name on all answer books.
- Answer **two** out of **four** questions.
- The same material should not constitute a substantial part of more than one question.
- All questions are equally weighted.

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Answer **two** questions.

**Question 1**

The Waste Framework Directive obliges waste producers to apply the waste hierarchy when considering end of life options. Critically evaluate the options, on the waste hierarchy, for a named hazardous waste for each of the three decision trees (inorganic, organic and articles).

(25 marks)

**Question 2**

Compare and contrast the advanced thermal treatment options (ATT) for hazardous wastes, giving specific examples where appropriate and evaluating their commercial applicability.

(25 marks)

**Question 3**

Critically analyse the legislation related to the treatment, storage, transport and disposal of hazardous wastes, commenting on its evolution and effectiveness.

(25 marks)

**Question 4**

The Flowers Report (1976) states that "it is beyond reasonable doubt that a method exists to ensure the safe containment of long-lived radioactive waste for the indefinite future."

Discuss the United Kingdom’s current strategy for identifying a technically achievable and publicly acceptable solution to the problem of long lived radioactive wastes.

(25 marks)

End of Paper