

General Certificate of Education
June 2006
Advanced Subsidiary Examination



HOME ECONOMICS

HEC2

Unit 2 Food Product Assessment and Analysis Task

Tuesday 23 May 2006 1.30 pm to 4.30 pm (Session 1)

Wednesday 24 May 2006 9.00 am to 12.00 noon (Session 2)

For this paper you must have:

- a 12 page answer book
- your research material
- scissors, glue

You may use a calculator.

Time allowed: 6 hours in two 3-hour sessions

Instructions to candidates

- Attempt **one** task only.
- You may use the research material you have collected.
- You may **not** add to your research material after Session 1 has started.
- You may use all or part of Session 1 to order your research before you begin writing your response to the Task.
- You will not have access to your research material or answer book between Session 1 and Session 2.
- Your response, including any relevant research material, should be between 1500 and 2000 words and done in the 12-page answer book provided. However, it is also possible to use more or fewer words.
- Write the information required on the front of your answer book. The *Examining Body* for this paper is AQA. The *Paper Reference* is HEC2.
- Use blue or black ink or ball-point pen. Use pencil only for drawing.
- Do all rough work in the answer book. Cross through any work you do not want marked.
- If you need extra paper, use additional answer sheets.
- At the end of session 2 hand in both your answer book and all your research material to the invigilator.

Attempt **one** task only, based on the topic you have researched.

Topic 1

Investigate the standards set for the provision of school meals in the UK. Your research should address the adequacy of these standards in relation to the nutritional requirements of school children and the government's guidelines for healthy eating. In addition, you should consider the value for money, quality and palatability of school meals. Wherever possible, you should give practical solutions to any shortcomings you encounter.

Task 1

Using the information gained from your research on the adequacy of the standards set for school meals in the UK, write a detailed report. Your report should provide a broad range of relevant information including nutritional adequacy, value for money, quality, palatability of school meals as well as ideas for addressing any shortcomings you encounter.

Topic 2

Colloidal systems give structure, texture and mouth feel to many food products. Identify the main colloidal systems and investigate their use in the production of foods. You should consider at least two food examples for each colloidal system. Your research should cover the scientific principles involved in such systems. Practical work should be an integral part of this investigation.

Task 2

Using the information gained from your research and investigation, write a detailed report on the function and uses of the main colloidal systems. Your report should identify the scientific principles involved in such systems and show detailed evidence of practical investigations you have carried out.

Topic 3

The elderly form an increasingly large percentage of the UK population. Investigate thoroughly their nutritional needs and their nutritional status. Your research should also include the risk factors which could lead to malnutrition and practical ways of prevention.

Task 3

Using the information gained from your research and investigation, write a detailed report on the nutritional requirements of the elderly and their nutritional status. You should identify the risk factors which could lead to malnutrition and practical ways to improve the diet of elderly people.

Topic 4

Genetically-modified food (GM) has become a major health and environmental issue in the UK. Investigate the reasons for this. Your research and practical investigation should consider the benefits and disadvantages of GM food and how it affects our decisions when making food choices.

Task 4

Using the information gained from your research and practical investigation, write an informative report which presents a balanced view of the pros and cons of GM food. Your report should enable consumers to make an informed choice when making decisions about whether or not to use GM foods.

There are no tasks on this page