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UNIVERSITI SAINS MALAYSIA  
Taylor's College

First Semester Examination  
Academic Session 2006/2007

October/November 2006

**HTV 201 – THINKING TECHNIQUES**

Duration : 2 hours

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Please check that this paper consists of THREE pages of printed material before you begin the examination.

Instructions:

1. This paper comprises THREE sections. Answer ONE question from each section.

State clearly the thinking techniques which you use in your answers.

2. Each answer should not exceed three pages.

**Section A**

1. The problem of cheating or cheating during an examination still persists despite the heavy penalties imposed on those who are caught committing it. You have been selected, as an effort to further control the problem, to assess the situation and find a number of new solutions to manage the problem more effectively.
  - [a] Using 'kacang putih' as your random entry word, generate five ideas on how to solve this problem. [10 marks]
  - [b] Assess the generated ideas and conclude your discussion of the assessment using the following thinking techniques:
    - [ i] Constructive Thinking Style [10 marks]
    - [ ii] Black Thinking Hat [10 marks]
    - [iii] Blue Thinking Hat [10 marks]
  
2. The employment rate among graduates is said to be on a steady increase every year and it is now considered as a serious problem for the country. In order to overcome this problem, graduates are encouraged to be more creative in diversifying their talents in order to fulfill the demands of the job market.
  - [a] With the use of a mind map, generate a number of creative ideas on how the graduates can diversify their talents.
  - [b] Appraise the suggestions that have been generated using PMI and C&S thinking tools so that the best idea could be selected. [40 marks]

**Section B**

3. The Prime Minister has raised concerns over the public's ignorance of their health by overeating which, if not controlled, could contribute to the number of people suffering from a variety of diseases or illnesses, including chronic diseases. If this happens, it will somehow affect the working quality and the productivity of the country.

Using the most suitable thinking technique, suggest and evaluate a number of new steps and changes that the country could adopt to encourage the people to be more conscious of their health.

[40 marks]

4. One of the much discussed medical ethics on organ donation practised by the Ministry of Health prevents an organ donor from donating his organ to a third party except to his children or those with blood ties even when the donor's organ is suitable and could be transplanted on a recipient who is already on a critical list. The purpose of honouring this medical ethic, according to the Ministry, is to prevent the misappropriation of donated organs. The Ministry's hard stance on this issue is said to have allegedly contributed to the death of Nur Atiqah Najwa Mohd Shariff, who was on the critical list for having a chronic liver condition.

[a] With the use of Six Thinking Hats, discuss whether or not the Health Ministry Department is right in imposing the regulation.

[b] Suggest a way to prevent the misappropriation of organ donation without preventing donors from donating their organs to a third party.

[40 marks]

5. With the use of creative thinking through analysis and design, suggest a number of suitable steps that can be taken to put Penang as the main tourist destination in South East Asia.

[40 marks]

### Section C

6. Discuss the steps that need to be considered when using scientific thinking to solve a problem.

[20 marks]

7. Describe, using appropriate examples, the differences between vertical and lateral thinking.

[20 marks]