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UNIVERSITI SAINS MALAYSIA

First Semester Examination  
2007/2008 Academic Session

October / November 2007

**EAP 584/4 – Environmental Impact Assessment**

Duration: 3 hours

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

**Instructions:** Answer **FIVE (5)** questions only. All questions carry the same marks.

You may answer the question either in Bahasa Malaysia or English.

All questions **MUST BE** answered on a new sheet.

Write the answered question numbers on the cover sheet of the answer script.

1. Explain factors influencing decision making in Environmental Impact Assessment (EIA). Discuss the categories of decisions with regards to significance of impacts.  
(20 marks)
2. An EIA consultant company is seeking your advice to carry out environmental monitoring strategy for expansion of a port terminal involving more than 50% of its capacity. Describe the environmental monitoring strategy that you will propose along with the parameters and programs.  
(20 marks)
3. (a) Discuss screening and scoping within an EIA system.  
(6 marks)  
  
(b) Second Penang Bridge will link Batu Kawan (mainland) and Batu Maung (island). The development in Batu Kawan will have direct socioeconomic effect to the nearby town Nibong Tebal. A development company where you work has obtained permission to develop a new township in Transkrian, an area within Nibong Tebal. You are given the tasks to design an EIA implementation and follow up programme for the development the new township in Transkrian area.  
(14 marks)
4. Discuss and describe Environmental Impact Assessment Report Review and use example of a common review package usually used to evaluate the quality of the report.  
(20 marks)
5. Write a framework of term of reference for a detail EIA of ONE of the project type listed below.
  - (a) Crude Palm Oil Industry Plant
  - (b) Petrochemical Industry Plant
  - (c) Toxic and Hazardous Waste Treatment Facilities
  - (d) Municipal Waste Incinerators(20 marks)
6. Discuss **TWO (2)** from the list below:
  - (a) Ecological Impact Assessment
  - (b) Social Impact Assessment
  - (c) Landscape and Visual Impact Assessment
  - (d) Air and Noise Impact Assessment
  - (e) Flood Mitigation Assessment(20 marks)