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UNIVERSITI SAINS MALAYSIA

1<sup>st</sup> Semester Examination  
2006/2007 Academic Session

October / November 2006

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

Duration: 3 hours

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**Instructions to Candidates:**

1. Ensure that this paper contains **THREE (3)** printed pages before you start your examination.
2. This paper contains **SIX (6)** questions. Answer **FIVE (5)** questions only. Marks will be given to the **FIRST FIVE (5)** questions put in order on the answer script and **NOT** the **BEST FIVE (5)**.
3. Each question carries equal mark.
4. All questions **CAN BE** answered either in English or Bahasa Malaysia.
5. Each question **MUST BE** answered on a new sheet.
6. Write the answered question numbers on the cover sheet of the answer script.

1. (a) Discuss a general EIA process. Use diagram and flowchart wherever necessary.  
(10 marks)
- (b) State the benefits of EIA.  
(5 marks)
- (c) Discuss the cause of delay in EIA process.  
(5 marks)
2. An EIA consultant company is seeking your advice to carry out public participation exercise for detail EIA of monorail project in Penang. Describe the public participation strategy that you will propose along with the principles of public participations.  
(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 of the new township in Transkrian area. You should include all the design aspects and steps to develop an effective monitoring programme and scientifically credible monitoring.  
(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 detail EIA of **ONE (1)** of the project type, listed below.
  - a) Tourist and Recreational Facilities.
  - b) Power Generation of more than 100 kWatt (options using fossil fuel or refuse fuel).
  - c) Petrochemical Industry Plant.
  - d) Steel Recovery and Smelting Plants.
  - e) Toxic and Hazardous Waste Treatment Facilities.
  - f) Municipal Waste Incinerators.(20 marks)