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UNIVERSITI SAINS MALAYSIA

First Semester Examination  
Academic Session 2009/2010

November 2009

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

Duration : 3 hours

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Please check that this examination paper consists of **THREE (3)** printed pages before you begin the examination.

**Instructions:**

This paper contains **SIX (6)** questions. Answer **FIVE (5)** questions only.

You may answer the question either in Bahasa Malaysia or English

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

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

1. Explain empowerment factors influencing public participation in decision making in Environmental Impact Assessment (EIA). Give four modes of practical method and techniques to conduct public participation. Lists **TWO (2)** examples for each and give advantage and disadvantages of using them.

(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. Second Penang Bridge will link Batu Kawan (mainland) and Batu Maung (island). Give three project activities under this project that is subjected to three different provisions under the EIA order 1987, EQA 1974. List **FIVE (5)** major impacts of this project during constructions and operations and briefly discuss them.

(20 marks)

4. Lee and Colley Review method are widely used to evaluate the quality of EIA reports. Discuss and describe Environmental Impact Assessment Report Review and use example to assist you.

(20 marks)

5. Write a framework of production of biogas project from agricultural wastes or nuclear power production facilities. Include all the impacts and mitigation measures should be drawn to ensure that the environment is well protected from all adverse effect of the project.

(20 marks)

6. Discuss **TWO (2)** from the list below:-

- a) Geotechnical Impact Assessment
- b) Traffic Impact Assessment
- c) Landscape and Visual Impact Assessment
- d) Soil Erosion Impact Assessment
- e) Remote Sensing in EIA

(20 marks)

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