UNIVERSITI SAINS MALAYSIA

First Semester Examination
Academic Session 2008/2009

November 2008

EAP 584/4 – Environmental Impact Assessment

Duration: 3 hours

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

Instructions: Answer **FIVE (5)** questions. 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 empowerment factors influencing public participation in decision making in Environmental Impact Assessment (EIA). Give **FOUR (4)** 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). The development in Batu Kawan will have direct socioeconomic effect to the nearby town Nibong Tebal. Give **THREE (3)** project activities under this project that is subjected to 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 methods are widely used to evaluate the quality of EIA reports. Discuss and describe Environmental Impact Assessment Report Review and use example.

    [20 marks]

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

    [20 marks]