
UNIVERSITI SAINS MALAYSIA

1st. Semester Examination
2005/2006 Academic Session

November 2005

EAP 584/4 – Environmental Impact Assessment

Duration: 3 hours

Instructions to Candidates:

1. Ensure that this paper contains **TWO (2)** 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 carry equal marks.
4. All questions **CAN BE** answered in English or Bahasa Malaysia or combination of both languages.
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) Give 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 a huge quarry project. Describe the public participation programme 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) Design an EIA implementation and follow up programme for the development of 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 compare the Rapid Impact Assessment Matrix and Leopold Assessment Matrix in decision making. You can use sample calculations of the weightage factor used in both assessments to assist your discussions. You should, then choose one of the method 'as better than the other' and give the rationale for your decision.
(20 marks)
5. Write a framework of term of reference for detail EIA of **ONE (1)** of the project listed:
 - a. Housing estate
 - b. Aluminium smelter
 - c. Expansion of Containers Terminal
 - d. Petrochemical Complex(20 marks)
6. Discuss two of the list below.
 - a. good practice in environmental impact mitigation and management
 - b. causes, types and benefits of Social Impact Assessment
 - c. steps and principle of good practice in SIA
 - d. aspects considered and methods in EIA review methods.(20 marks)