
UNIVERSITI SAINS MALAYSIA

First Semester Examination
2012/2013 Academic Session

January 2013

EAP 584/4 –Environmental Impact Assessment (EIA)

Duration : 3 hours

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

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

All questions must be answered in English.

Each question **MUST BE** answered on a new page.

1) Describe briefly, two from the followings:-

a) Landslide and landcover in EIA

[10 marks]

b) Traffic Impact and Accident Risk Assessment in EIA

[10 marks]

c) Remote Sensing in EIA

[10 marks]

d) GIS in EIA

[10 marks]

2) Discuss the environmental and social impacts of a cement industry, operating near to dwellings, in rural areas.

[20 marks]

3) Discuss the feasibility and importance of having an incinerator within an island setting.

[20 marks]

4) Describe the issues, challenges, solutions while carrying out EIA for housing projects within new township developments.

[20 marks]

5) Differentiate the guided process of decision making using matrix following scoping exercises in EIA.

[20 marks]

6. a) Briefly, explain the principal objective of environmental management and give **THREE (3)** advantages of EMP.

[5 marks]

- b) EIA approval condition is one of the elements for Environmental Requirements in EMP general format. Discuss briefly, **FIVE (5)** examples of conditions that need to be considered to approve EIA.

[5 marks]

- c) A new township of 5 km² in a rough terrain area at Bandar Baharu will be developed and is expected to complete in 2016. This new township will comprise of residential neighbourhood, primary and secondary schools, commercial area including 4 blocks of double storey shop lot and also recreational area which include playground and lake for water activity. This new township area is surrounded by traditional villages and the town center is located 5 km southwest.

Describe, the environmental monitoring program need to be carried out to manage the environmental impact of this project.

[10 marks]

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