
UNIVERSITI SAINS MALAYSIA

1st. Semester Examination
2005/2006 Academic Session

November 2005

EAA 483/2 – Construction Management

Duration: 2 hours

Instructions to Candidates:

1. Ensure that this paper contains **FIVE (5)** printed pages before you start your examination.
2. This paper contains **FIVE (5)** questions. Answer **FOUR (4)** questions only. Marks will be given to the **FIRST FOUR (4)** questions put in order on the answer script and **NOT** the **BEST FOUR (4)**.
3. Each question carry equal marks.
4. All questions **MUST BE** answered in English.
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 the economics of quality of conformance in construction management. Sketch the figure or model which has been discussed above. (8 marks)
- (b) Discuss the quality control organization for open tender project. Include the flow chart of the quality control organization discussed above. (8 marks)
- (c) Discuss the method of quality control in construction management. (9 marks)
2. (a) Discuss on the work program for the value engineering for a typical construction project. (10 marks)
- (b) Give and discuss **FIVE (5)** factors which form the motivation in the implementation of safety and health program in construction project. (15 marks)
3. Rapid development in Construction Industry in this country has made the basis preparation of Contract Document become so important to all respective people in this industry include Civil Engineer like all of you. In conjunction with that, all of you need to have clear understanding and knowledge pertaining types of contract to be used while preparing the required Tender Document.

Describe in detail on the Lump Sum contract which normally be used in the construction industry in Malaysia. Discuss on the advantages and disadvantages of this type of contract comparing to the other types of contract normally be used (20 markah)
4. The project management is concerning all important aspects in order to ensure the project planning is successfully carried out in according to the time and budget allocated. There are few important project implementation phase that need a good planning to ensure the successfulness of the project. Discuss in detail all activities involved in all phase that can contribute to the development of the project from planning into reality. (20 markah)
5. Dr. Azlin (1)