



TECHNICAL UNIVERSITY OF MOMBASA
**Faculty of Engineering &
Technology**

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN ARCHITECTURE

EAR 2111: ECONOMICS FOR ARCHITECTURE

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: JULY 2013

TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions.

Answer question **ONE (COMPULSORY)** in section **A** and any other **TWO** questions from section **B**

Maximum marks for each part of a question are as shown

This paper for **TWO** printed pages

SECTION A

Question One (Compulsory)

- a) Using the laws of demand and supply, explain and illustrate using graphs, how the market price of a commodity can be established. **(27 marks)**
- b) What is market price **(3 marks)**

SECTION B (Attempt any TWO questions)

Question Two

- a) What is the quantity survey's main responsibility in a construction project? **(2 marks)**
- b) Explain the role played by a quantity surveyor in execution of a building contract:
- (i) Prior to construction
 - (ii) During construction
 - (iii) During construction
 - (iv) Post construction
- (18 marks)**

Question Three

Using the following demand and supply functions of a commodity? Compute the equilibrium price and quantity.

$$D = 60 - P; S = 30 + P$$

Where P is the price of the commodity X, S is the supply of commodity X and D is the demand of commodity X **(20 marks)**

Question Four

Identify **FOUR** types of market structures explain the characteristics of each structure. **(20 marks)**

Question Five

Explain the **FOUR** factors of production in economics. **(20 marks)**