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**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF SPATIAL PLANNING**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN SPATIAL PLANNING**

**SEMESTER 2016/2017 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

**COURSE CODE: PWE 3423**

**COURSE TITLE: CONSTRUCTION MANAGEMENT II**

**EXAM VENUE: STREAM: SPATIAL PLANNING**

**DATE: EXAM SESSION:**

**TIME: 2 HOURS**

**Instructions:**

1. **Answer question 1 ( compulsory ) and ANY other 2 questions.**
2. **Candidates are advised not to write on the question paper.**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room.**
4. a) Explain the handing over procedure of a building project stating the parties involved in each stage. (15 marks)

b) State when a contract is legally and contractually binding. (5 marks)

c) Define construction management stating its requirements (5 marks)

d) Outline the requirements involved in construction management (3 marks)

e) Explain the role of a contract in construction management (2 marks)

2. a) Explain the following types of bids

i) Low-bid selection (4 marks)

ii) Qualification based selection (4 marks)

iii) Best value selection (4 marks)

c) Once the owner chooses a contractor, explain the kinds of payment methods which could

be agreed upon. (8 marks)

3. a) Explain the **TWO** business models used in the construction project (4 marks)

b) As a construction manager, explain the phases involved in project management as explained by the project management institute. (10 marks)

c) With the aid of a sketch, show a project execution plan (6 marks)

4. a) Explain the stages involved in a construction project. (14 marks)

b) Explain the following documentation as used construction project management i) Project requirement definition (3 marks)

ii) AS – Built Drawings (3 marks)

iii) Daily Documentation (6 marks)

1. a) Outline any **THREE** sources of conflicts in a construction site (3 marks)

b) Outline the process of conflict resolution on site (6 marks)

c) Explain the following terms as used in construction management

i) Risk management plan (3 marks)

ii) Legal principles (3 marks)

iii) Quality control plan (3 marks)

d) List any **FOUR** skills, abilities and required knowledge for a construction manager. (2 marks)