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**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

 **UNIVERSITY EXAMINATIONS 2017/2018**

**YEAR IV SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF LANDSCAPE ARCHITECTURE**

**ABL 2401: PROFESSIONAL PRACTICE**

**DATE: DECEMBER 2017 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE (40 MARKS)**

1. Define the following terms as used in the Agreement and Conditions of Contract for Building Works. [5 marks]
2. Provisional Sum
3. Certificate of Making Good Defects
4. Patent defects
5. Final Certificate
6. Prime Cost Sum
7. State FIVE ways a landscape architect in practice can come into contact with potential clients. [5 marks]
8. List any FIVE key consultants that must be involved in design and supervision of a landscape construction project, stating briefly the role of each both pre-contract and post-contract stages of the project. [5 marks]
9. State FIVE reasons that will necessitate a contractor to apply for extension of time during construction of a project. [5 marks]
10. State FIVE reasons that would lead to termination of a contract for Building Works by a contractor, due to the default by the Employer. [5 marks]
11. Describe the process involved in issuance of a payment certificate to a Contractor engaged in Construction of a landscape project. [9 marks]
12. Define the following terms as used in planning of residential houses;-

(i) Plot coverage

(ii) Plot ratio

(iii) Building lines

(iv) Illustrate your answer using relevant sketches \*\*\*\*\*\*\*\*\*\* [6 marks]

**QUESTION TWO (30 MARKS)**

1. Describe in detail the pre-contract stages of a construction project before it is awarded to a successful bidder to enter into a contract agreement with a developer/employer. [15 marks]
2. Enumerate any FIVE documents that constitute a building/constitution contract. [5 marks]
3. State FIVE acts that would be deemed as professional misconduct on the part of a consultant in architectural practice. [5 marks]
4. Define the following terms as used in the Agreement and Conditions of Contract for Building Works. [5 marks]

(i) Liquidated and ascertained damages

(ii) Moiety

(iii) Retention money

(iv) Interim Certificate

(v) Variation order

**QUESTION THREE (30 MARKS)**

1. Describe the role of the lead consultant during the post-contract management of a construction project. [10 marks]
2. Enumerate any FIVE defaults by a contractor that would necessitate determination of the contract with the Employer. [5 marks]
3. State what the following terms mean when used in Contract for Building Works;

(i) Sectional completion

(ii) Force majeure

(iii) Performance bond

(iv) Defects liability period [5 marks]

1. Describe briefly any TWO business practices a landscape architect would employ in practice, stating the advantages and disadvantages of each. [10 marks]

**QUESTION FOUR (30 MARKS)**

1. State the significance of the following certificates issued by the lead consultant during the implementation of a construction project. [10 marks]

(i) Handing Over Certificate

(ii) Certificate of Practical Completion

(iii) Certificate of making good defects

1. What is meant by the following terms in the procurement process of a construction project? [5 marks]

(i) Open tendering

(ii) Selective tendering

1. State the advantages and disadvantages of each of the above tendering methods. [5 marks]
2. Describe briefly the structure and organization of the construction industry in Kenya. [10 marks]

**QUESTION FIVE (30 MARKS)**

1. Enumerate any FOUR obligations of the employer to the contractor once the former has executed the contract Agreement on a Construction Project. [5 marks]
2. Describe the role of Board of Registration of Architects and Quantity surveyors (BORAQ) as provided for in Cap 52s of the Laws of Kenya. [10 marks]
3. State any FIVE pre-requisites for establishing an architectural business practice in Kenya. [5 marks]
4. Describe the role of landscape architecture profession in conservation of urban outdoor greenery in low-income urban housing developments. [10 marks]