MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATION 2018/2019 ACADEMIC YEAR

SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN FORESTRY

COURSE CODE: FOR 420
COURSE TITLE: URBAN FORESTRY

DATE: 23RD APRIL 2019   **TIME: 0830 – 1030 HRS**

INSTRUCTIONS:

1. Answer **ALL** questions in Section A (25 marks)

2. Answer any **THREE** questions from Section B (45 marks)

SECTION A (25 MARKS) ANSWER <u>ALL</u> QUESTIONS IN THIS SECTION

1 a) Differentiate between urban forestry and urban silviculture **(2 marks)**

   b) Define arboriculture as used in urban forestry **(2 marks**)

2. a) Explain the factors to consider when planning and designing urban forestry
(4 marks)

   b) Briefly explain the categories of physical development plans for urban forestry in Kenya
(3 marks)

3. Explain **three** attributes that are considered in landscaping and designing urban forestry
(3 marks)

4. Give reasons why environmental impact assessment need to be done before establishment of urban forests
(4 marks)

5. a) Identify the composition or types of urban forestry
(3 marks)

   b) Explain how tree roots causes problems on paved surface in urban areas

(4 marks)

SECTION B (45 MARKS): ANSWER ANY <u>THREE </u>QUESTIONS IN THIS SECTION

   6. a) Using illustrations, explain the importance of managing parks and open space vegetation in urban areas
   (6 marks)

   b) Discuss the physical planning policies and legislations that need to be considered when designing urban forestry in Kenya   **(9 marks)**

7. Using examples, discuss the different categories/groups of variety of plants which can be grown for landscaping, interior decorative and ornamental purposes
(15 marks)

8. a) Explain how trees are used in urban set up for restoration of degraded sites
(5marks)

b) Discuss the benefits derived from urban forest
(10 marks)

9. Describe the factors and criteria that influences selection of tree species for urban forestry
(15 marks)

10. Discuss the potential and current problems facing urban forestry in Kenya
(15 marks)

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