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# **UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2014/2015 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRO-FORESTRY AND RURAL DEVELOPMENT**

**COURSE CODE: FOR 325**

**COURSE TITLE: FOREST BUSINESS MANAGEMENT**

***DATE: 21ST APRIL, 2015* *TIME: 9 A.M- 12 P.M***

**INSTRUCTIONS:**

***ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS.***

**Question One**

1. Define management and outline its functions. (7 marks)
2. Briefly discuss the three main styles of management. (9 marks)
3. Explain the differences between theory X, theory Y and theory Z in management. (9 marks)

**Question Two**

1. What makes a forest product useful? (3 marks)
2. Discuss the marketing mix decisions and how they can be used to improve marketing of forest products. (6 marks)
3. Outline the marketing research process. (6 marks)

**Question Three**

1. State the applications of linear programming in forestry. (10 marks)
2. Explain the limitation of linear programming. (5 marks)

**Question Four**

Write brief notes on the following issues as regards management.

1. Challenges for business managers in the global environment. (8 marks)
2. Agricultural business risks and their analysis. (7 marks)

**Question Five**

1. Outline the advantage and limitations of the Critical Path Management (CPM) and Program Evaluation and Review Technique (PERT). (3 marks)
2. The table below defines the activities within a medium scale forestry project.

|  |  |  |
| --- | --- | --- |
| **Activity** | **Completion time (weeks)** | **Immediate predecessor (activities)** |
| A | 3 | - |
| B | 1 | A |
| C | 2 | B, A |
| D | 7 | - |
| E | 8 | D, A |
| F | 3 | B |
| G | 1 | E, F |
| H | 2 | D |

1. Draw the network diagram. (4 marks)
2. Calculate the minimum overall completion time and identify which activities are critical. (4 marks)
3. What is the slack (float) time associated with each of the non-critical activities. (4 marks)