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**MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2016/2017 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM & NATURAL RESOURCE MANAGEMENT**

**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE**

**COURSE CODE: EBH 313**

**COURSE TITLE: WETLAND ECOLOGY AND**

**CONSERVATION**

**DATE: 10TH JULY, 2017 TIME: 1100 – 1300HRS**

**INSTRUCTIONS**

1. **Attempt all questions in Section A and any THREE in Section B**
2. **Marks for each question are indicated in parenthesis**

*This paper consists of 2 printed pages. Please turn over.*

**SECTION A: (25 MARKS)**

1. What are wetlands? **(3 Marks)**
2. Using examples explain a Ramsar Convention?  **(2 Marks)**
3. Give a detailed account of the basic types of freshwater ecosystems.      **(5 Marks)**
4. Discuss the ecological and socio-economic significance of wetland ecosystems in Kenya. **(5 Marks)**
5. Discuss in detail the various indicators of wetland hydrology.         **(5 Marks)**
6. Explain in depth the characteristics and properties of the soil in wetlands.       **(5 Marks)**

**SECTION B: (45 MARKS)**

1. Discuss the adaptations of the plants to wetland ecosystems.                       **(15 marks)**
2. Give a detailed account of the wetland ecosystem processes.    **(15 Marks)**
3. Discuss the problems facing wetlands in Kenya and the possible solutions     **(15 Marks)**
4. (a) Explain the different sources of water pollution       **(5 Marks)**

(b) Discuss strategies that can be put in place to prevent and control water pollution. **(10 Marks)**

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