

UNIVERSITY OF ESWATINI
DEPARTMENT OF BIOLOGICAL SCIENCES
MAIN EXAMINATION PAPER MAY 2019

TITLE OF PAPER: AQUATIC ECOLOGY

COURSE CODE: BIO 362

TIME ALLOWED: THREE HOURS

INSTRUCTIONS:

1. ANSWER ANY FOUR QUESTIONS IN

THIS PAPER

2. ILLUSTRATE YOUR ANSWERS WITH LARGE
AND CLEARLY LABELLED DIAGRAMS WHERE
APPROPRIATE

SPECIAL REQUIREMENTS: NONE

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN
GRANTED BY THE INVIGILATORS

Answer any four questions in this section

Question 1

Discuss the importance of aquatic ecosystems.

[Total marks = 25]

Question 2

Discuss how climate change could be threat to aquatic ecosystems.

[Total marks = 25]

Question 3

Demonstrate how biota serve as *ecosystem engineers* in wetland ecosystems.

[Total marks = 25]

Question 4

Discuss factors that influence primary productivity in aquatic ecosystems.

[Total marks = 25]

Question 5

Discuss how flood pulsing influences functioning of aquatic ecosystems.

[Total marks = 25]

END OF EXAMINATION PAPER