

UNIVERSITY OF SWAZILAND
DEPARTMENT OF BIOLOGICAL SCIENCES
MAIN EXAMINATION PAPER MAY 2018

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 large scale water withdrawal may have negative impact on aquatic life.

[Total marks = 25]

Question 3

Discuss the ecological functions of different organisms in aquatic ecosystems.

[Total marks = 25]

Question 4

Discuss the different environmental factors that influence species composition and distribution in aquatic habitats.

[Total marks = 25]

Question 5

Demonstrate how the negative impact on one organism or few organisms in an aquatic ecosystem may still have detrimental effects on the whole ecosystem.

[Total marks = 25]

END OF EXAMINATION PAPER