

UNIVERSITY OF ESWATINI
DEPARTMENT OF BIOLOGICAL SCIENCES
RESIT/SUPPLEMENTARY EXAMINATION PAPER SEPTEMBER 2020

TITLE OF PAPER: EVOLUTION

COURSE CODE: BIO 312/B403

TIME ALLOWED: THREE HOURS

INSTRUCTIONS

1. ANSWER ANY FOUR QUESTIONS IN

THIS PAPER

3. 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 paper

Question 1

Discuss the theory of Evolution as proposed by Darwin.

[Total marks = 25]

Question 2

"There is no such thing as evolution." Yes/No, Discuss.

[Total marks = 25]

Question 3

Discuss how the post-zygotic isolating mechanisms can lead to evolutionary change in species.

[Total marks = 25]

Question 4

Discuss conditions that may not lead to evolutionary change according to Hardy-Weinberg Equilibrium.

[Total marks = 25]

Question 5

Discuss the different stages leading to human evolution.

[Total marks = 25]

END OF EXAMINATION PAPER