



GRETSA UNIVERSITY - THIKA

UNIVERSITY EXAMINATIONS JANUARY - APRIL 2021 SEMESTER

CERTIFICATE IN TRAVEL AND TOUR GUIDING)

COURSE CODE: CTTG 009

COURSE TITLE: ORNITHOLOGY

DATE: 06 MAY 2021

TIME: 3.00 PM - 5.00

PM

INSTRUCTIONS TO CANDIDATES

- a) SECTION A IS **COMPULSORY**.
- b) SECTION B: ANSWER ANY OTHER **THREE** QUESTIONS.
- c) **DO NOT** WRITE ANYTHING ON THIS QUESTION PAPER AS IT WILL BE AN EXAM IRREGULARITY.
- d) ALL ROUGH WORK SHOULD BE AT THE BACK OF YOUR ANSWER BOOKLET AND CROSSED OUT.

CAUTION: All exam rooms are under CCTV surveillance during the examination period.

SECTION A: COMPULSORY

QUESTION ONE

- a) Explain what you understand by the following terms
- i. Bird Morphology [2 Marks]
 - ii. Foraging [2 Marks]
 - iii. Metabolism [2 Marks]
 - iv. Eponym [2 Marks]
 - v. Ornithology [2 Marks]
- b) Many birds species form flocks for different reasons. Identify five advantages of bird flocks. [5 Marks]
- c) Birds are attractive and they possess various characteristics that make them unique. Explain [5 Marks]
- d) Birds use various methods to defend themselves against predators during nesting. State five ways they use for defence. [5 Marks]
- e) Do you believe birds are important to tourism? If yes support your answer with five points. [5 Marks]
- f) Birds make nests using different materials as a way of sheltering themselves. Explain five functions of a nest. [5 Marks]
- g) Birds migrate from one area to another for different reasons. Explain [5 Marks]

SECTION B: ANSWER ANY THREE QUESTIONS

QUESTION TWO

- a) Birds fall under two categories, Archaeonithes and Neonithes. Discuss five factors that differentiate the two categories. [10 Marks]
- b) With the help of diagrams, describe four categories of webbed feet. [10 Marks]

QUESTION THREE

- a) By use of diagrams, discuss five typical toe arrangements in birds. [10 Marks]
- b) Why do you think studying ornithology is important to your career? [10 Marks]

QUESTION FOUR

- a) Most birds use their bill and hind limbs to perform their duties. Discuss five functions of birds' feet and legs. [10 Marks]
- b) Birds are important to man in various ways. Discuss [10 Marks]

QUESTION FIVE

- a) Birds have many physical and behavioral adaptations to keep warm no matter the low temperatures of their surroundings. Discuss five behavioral adaptations that keep them warm. [10 Marks]
- b) Birds are given names according to different subject. Describe five criteria that is used in naming birds. [10 Marks]

