



මියුසියස් විද්‍යාලය - කොළඹ 7
Musaeus College - Colombo 07

වාර පරීක්ෂණය -2025 සැප්තැම්බර්
Term Test - September -2025

අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාගය , 2025
General Certificate of Education (Adv.Level) Examination, 2025

ශ්‍රේණිය 13
Grade 13

ජීව විද්‍යාව II
Biology II

09

E

II

Name : Grade :

Part B - Essay

Instructions :

- * Answer **four** questions only.
- Give clear labelled diagrams where necessary.
- (Each question carries 150 marks)

- (01) a) What are the enzymes? Explain briefly.
b) Describe briefly the characteristic properties of enzymes.
c) What are competitive inhibitors and noncompetitive inhibitors? Briefly describe their functions.
- (02) a) State briefly the characteristic properties of kingdom fungi.
b) Describe briefly the C_4 pathway of photosynthesis.
- (03) a) Explain briefly the characteristic features of sensory receptors.
b) Describe briefly the thermoreceptors and touch receptors.
- (04) a) Describe the conditions that are required to achieve Hardy-Weinberg equilibrium.
b) Describe briefly the incomplete dominance and polyallelism.
- (05) Explain briefly the main steps of related to Nitrogen cycle.
- (06) Write short notes
a) Principles and the significance of tissue culture
b) Process of human spermatogenesis
c) Major changes take place in the human foetus during the first trimester.