BIOLOGY GRADE 10
OPENER EXAM TERM 3 2026
TIME: 2 HOURS

NAME……ADM NO……
DATE……SIGN……

INSTRUCTIONS TO CANDIDATES

- ***Answer ALL questions.***
- ***Write your answers clearly in the spaces provided or on the answer sheets as instructed by your teacher.***
- ***Show all working in calculation questions. Unsupported final answers may not earn full marks.***

1a) State two ways in which the study of Biology contributes to improvement of human health. (2 marks)

b) A learner investigates the effect of temperature on the activity of an enzyme. State:

i. the independent variable; (1 mark)

ii. the dependent variable; (1 mark)

iii. one variable that should be controlled. (1 mark)

c) The learner records the following times taken for a reaction to reach the same end point: 20°C = 80 s; 30°C = 50 s; 40°C = 25 s; 50°C = 40 s.

i. Calculate the percentage decrease in reaction time from 20°C to 40°C. Show working. (2 marks)

ii. State the temperature at which the reaction was fastest and give a reason from the data. (1 mark)