PHYSICS GRADE 10

OPENER EXAM TERM 2 2026

TIME: 2 HOURS

NAME……ADM NO……

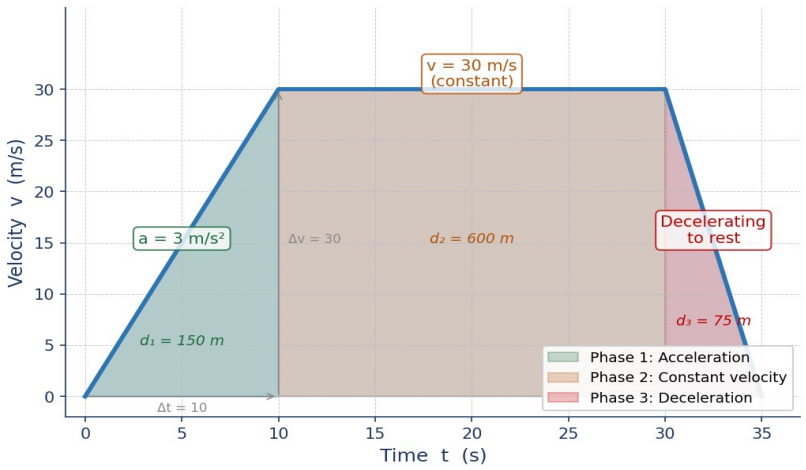
DATE……SIGN……

INSTRUCTIONS TO CANDIDATES

1. ***Write your name, admission number and class in the spaces provided above.***
2. ***Answer ALL questions in ALL sections.***
3. ***All working must be clearly shown.***

1.A car starts from rest and accelerates uniformly to a velocity of 30 m/s in 10 seconds. It then travels at this constant velocity for 20 seconds before decelerating uniformly to rest in 5 seconds.

Figure 1 — Velocity–Time Graph for a Moving Car



(a) Define the term acceleration and state its SI unit. (2 marks)

(b) Calculate the acceleration of the car during the first phase of motion. (3 marks)