

Answer **all** the questions in the spaces provided.

For
Examiner's
Use

- 1 (a) (i) Define *acceleration*.

.....
..... [1]

- (ii) State Newton's first law of motion.

.....
..... [1]

- (b) The variation with time t of vertical speed v of a parachutist falling from an aircraft is shown in Fig. 1.1.

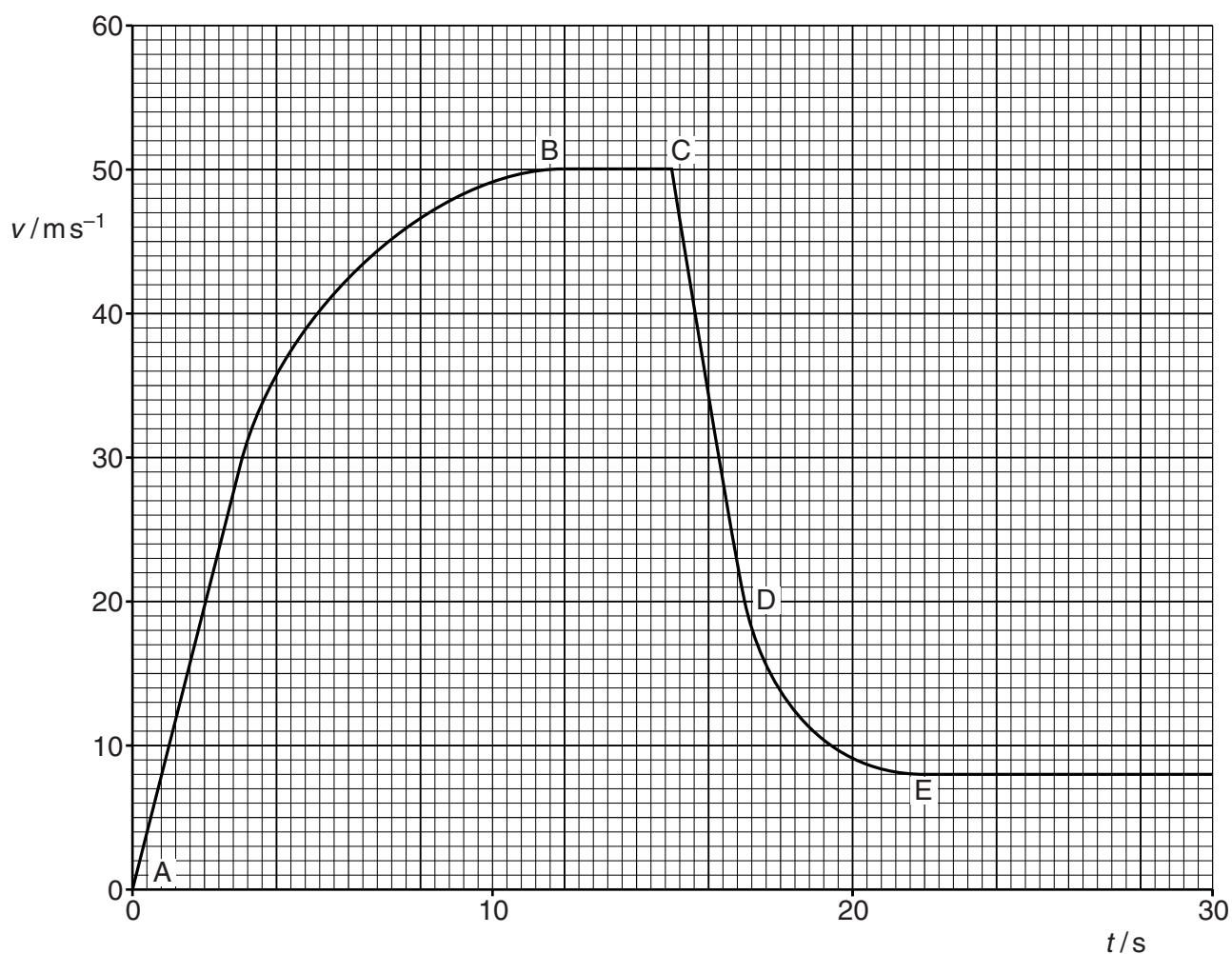


Fig. 1.1