

1. Rajah 1 ialah graf yang diperoleh apabila laju sebuah kereta diuji. Graf laju, v diplotkan melawan masa, t .

Diagram 1 shows a graph obtained when the speed of a car is tested. A graph of speed, v , against time, t , is plotted.



Rajah 1
Diagram 1

- (a) Nyatakan jenis kuantiti bagi laju, v .
State the type of quantity for speed, v .

.....
[1 markah]
[1 mark]

- (b) Berdasarkan Rajah 1,
Based on Diagram 1,

- (i) nyatakan hubungan di antara laju, v dan masa, t .
State the relationship between speed, v and time, t .

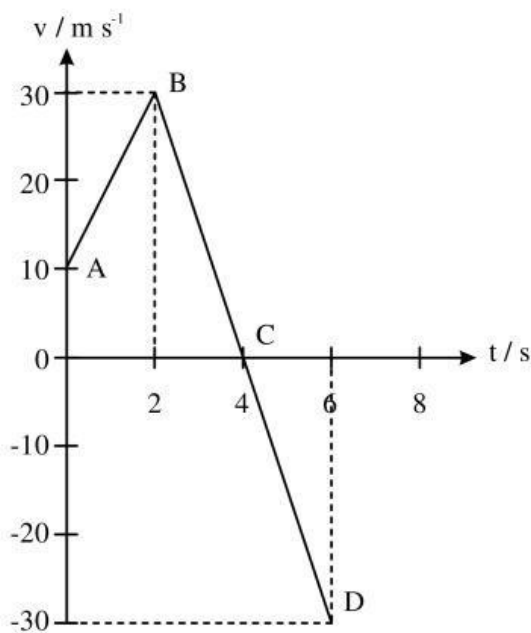
.....
[1 markah]
[1 mark]

- (ii) Tentukan nilai v apabila $t = 20$ saat. Tunjukkan bagaimana nilai v ditentukan pada graf dalam Rajah 1.
Determine the value of v when $t = 20$ seconds. Show how the value of v is determined on the graph in Diagram 1.

$v = \dots\dots\dots \text{m s}^{-1}$

[2 markah]
[2 marks]

2.



Rajah 2
Diagram 2

Rajah 2 menunjukkan halaju-masa graf
Diagram 2 shows a velocity-time graph

- (a) Terangkan pergerakan objek tersebut pada
Explain the movement of object at

(i) AB

(ii) BD

[2 markah]

[2 marks]

- (b) Nyatakan kuantiti fizik yang diwakili oleh kecerunan graf
Name the physical quantity represented by the gradient of the graph.

[1 markah]

[1 mark]

- (c) Nyatakan kuantiti fizik yang diwakili oleh luas di bawah graf
Name the physical quantity represented by the area below the graph.

[1 markah]

[1 mark]