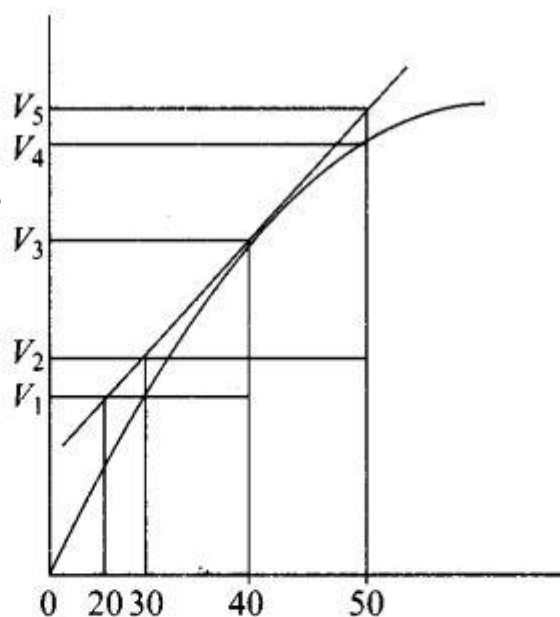


Question 1. A graph of volume of hydrogen released vs time for the reaction between zinc and dil. HCl is shown below. On the basis of this, mark the correct option.



- (a) Average rate up to 40 seconds is $\frac{V_3 - V_2}{40}$
- (b) Average rate up to 40 seconds is $\frac{V_3 - V_2}{40 - 30}$
- (c) Average rate up to 40 seconds is $\frac{V_3}{40}$
- (d) Average rate up to 40 seconds is $\frac{V_3 - V_1}{40 - 20}$

Question 2. Consider the graph given above. Which of the following option does not show instantaneous rate of reaction at 40th second?

- (a) $\frac{V_5 - V_2}{50 - 30}$ (b) $\frac{V_4 - V_2}{50 - 30}$ (c) $\frac{V_3 - V_2}{40 - 30}$ (d) $\frac{V_3 - V_1}{40 - 20}$

Answers:- Q1.(c) Q2.(a)