Practice Question Set For GCSE
Subject : Physics
Paper-1 Topic : 2_Motion and Forces

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Name of the Student:_____
Max. Marks : 15 Marks **Time : 15 Minutes**

Mark Schemes

Q1.

Question Number	Answer	Additional guidance	Mark
	• direction (1) • size (1)	answers only acceptable in given order or magnitude	**(2)** AO 2 1

Q2.

	Answer	Acceptable answers	Mark
(i)	12 (m/s) (1)	Range from 11(m/s) to 14 (m/s)	**(1)**
(ii)	Substitution (1) $\frac{20-0}{5}$ evaluation (1) 4 (m/s^2)	$\frac{20}{5}$ Full marks for correct answer with no working Allow answers between 3.6 and 4.7 for 2 marks to reflect readings taken from the graph	**(2)**
(iii)	• velocity/ speed (measured in) m/s (1) • divided by time in s (1)	velocity/ speed (measured in) ms^{-1} acceleration is rate of change of velocity m/s/s m per s per s [accept per for divide] do not accept m/s times time	**(2)**
(iv)	at constant vel • distance = 60 (m) (1) slowing down • distance = ½×2×20 (1)	correct answer scores 2 marks	**(3)**

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	• = 20 (m) (1)		

Q3.

	Answer	Acceptable answers	Mark
	D		**(1)**

Q4.

	Answer	Acceptable answers	Mark
(i)	8 – 0 (m/s)	8	**(1)**
(ii)	substitution 8 / 5 (1) evaluation (1) 1.6 (m/s^2)	ecf from (i) full marks for correct answer (or ecf) with no working shown.	**(2)**
(iii)	0	Nil / nothing / zero / none (no mark for no response)	**(1)**

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