## Practice Question Set For GCSE

**Subject: Physics** 

Name of the Student:\_

Paper-2 Topic: GCSE Triple Science\_Waves (SDQ)

(C)	Merit Minds www.merit-minds.com			
Exam Preparation and Free Resources				

Max.	. Maı	rks :	20 Marks	Time : 20 Minutes
Mark Schemes				
Q1				
	(a)	(i)	infrared / IR	1
		(ii)	UV / X-rays / gamma rays	1
			<ul> <li>appropriate use corresponding with given wave:         dependent on first marking point</li> <li>UV: security marking or tanning</li> <li>X-rays: medical imaging or checking baggage</li> <li>gamma rays: sterilising surgical instruments or killing harmful backfood</li> </ul>	eteria in
			accept any sensible alternative uses	1
	(b)	D		1
		gap	must be comparable to wavelength accept converse	1
		can	create gap of that size in classroom  dependent on first marking point	1
	(c)	(i)	Q	1
		(ii)	sound waves reflected  accept 'it' for sound waves  ignore bounce	1
			at EF	1
			angle of incidence equal to angle of reflection	1
		(iii)	stop sound going direct from clock to ear	1
		(iv)	22 (m)	-

allow 1 mark for correct substitution, ie

do **not** accept no energy losses keeps oven hotter is insufficient

1

[6]