8. Superposition

8.2 Diffraction

Paper 2

Marking Scheme

Q1.

(d)	more diffraction (of light/waves by slits) **or** light/waves are more spread (by slits) **or** light/waves (from slits) have less intensity	**B1**
	more (bright/dark) fringes **or** bright fringes are less bright / are dimmer / have lower intensity **or** no change to fringe spacing/separation/width	**B1**

Q2.

(b)	wave passes (through) an aperture **or** wave passes (by / through / around) an edge	**B1**
	wave spreads (into geometrical shadow)	**B1**

Q3.

(c)(i)	as wave(s) pass through the slit(s)	**B1**
	wave(s) spread (into geometric shadow)	**B1**

Q4.

(a)(i)	waves spread at (each) slit/gap	**B1**