1	(a)	Distinguish between scalar quantities and vector quantities.										
								[2]				
	(b)) In the following list, underline all the scalar quantities.										
		acceleration	force	kinetic energy	mass	power	weight	[1]				
	(c)	A stone is thrown	n with a h	orizontal velocity of	f 20 m s ⁻¹ f	rom the top	of a cliff 15 r	m high.				

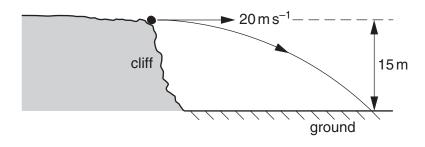


Fig. 1.1

Air resistance is negligible. this stone,

(i) calculate the time to fall 15 m,

The path of the stone is shown in Fig. 1.1.

time = s [2]

(ii) calculate the magnitude of the resultant velocity after falling 15 m,
