SMART EXAM RESOURCES9702 PHYSICS TOPIC QUESTIONS

TOPIC: PHYSICAL QUANTITIES AND UNITS SUB-TOPIC: ERRORS AND UNCERTAINITIES SUB-SUB-TOPIC: EXAMPLES OF RANDOM AND SYSTEMATIC ERRORS

1 (a)		analogue voltmeter is used to take measurements of a constant potential difference across esistor.
	Fo	r these measurements, describe one example of
	(i)	a random error.
		[1]

Mark Scheme:

reading scale from different angles or wrongly interpolating between scale readings/divisions	B1
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2	(a)	An analogue voltmeter is used to take measurements of a constant potential difference across a resistor.		
		For these measurements, describe one example of		
		(i) a systematic error,		
		[1]		

MARKING SCHEME:

(a)(i) zero error or wrongly calibrated scale	B1	
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