

Q1. (2022)

a)

05.3	the <u>national grid</u>		1	AO1 6.2.4.3
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b)

05.4	potential difference increases	allow large potential difference	1	AO1 6.2.4.3
	current is reduced	allow small current	1	
	so there is less / low energy loss (to the surroundings)	allow less / low heating in the transmission cables	1	
		ignore resistance		
		do not allow no energy loss		

Q2. (2023)

05.2	$36 \times 10^9 \text{ J}$		1	AO2 6.1.3
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