



4 (a) (I) Define *magnetic flux density*.

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..... [3]

(II) State what is meant by *magnetic flux linkage*.

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..... [2]



- DO NOT WRITE IN THIS MARGIN



Explain why the aluminium ring moves vertically when the switch is closed.

[4]

- State and explain whether this ring would move vertically when the switch is closed.

[2]

[Total: 11]