

- 34** A source of electromotive force (e.m.f.) E has a constant internal resistance r and is connected to an external variable resistor of resistance R .

As R is increased from a value below r to a value above r , which statement is correct?

- A** The terminal potential difference remains constant.
- B** The current in the circuit increases.
- C** The e.m.f. of the source increases.
- D** The largest output power is obtained when R reaches r .

- 35** Which graph best represents the way in which the current I through a thermistor depends upon