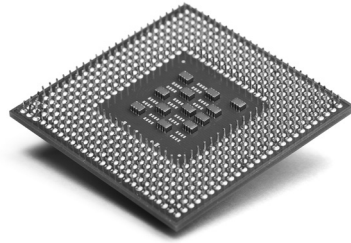**5.** The processor carries out the fetch-execute cycle when running a program.



(a) State how the processor makes use of the control bus during the fetch-execute cycle. **1**

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(b) (i) State how a manufacturer could improve the performance when designing a new version of the processor. **1**

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(ii) Explain why this improves performance. **1**

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