

# Oxford Revise | OCR Computer Science | Answers

## Chapter 10 Networks

Question	Answer	Extra information	Marks	AO / Specification reference
1	<b>Any three from:</b> Wireless access point Switch Network Interface Card Transmission medium	Only give <b>three</b> responses for this question because your first three answers will be marked.	1 1 1	AO1 1.3.1

Question	Answer	Extra information	Marks	AO / Specification reference
2	<p>The performance of the network is affected by the number of devices that are connected. More devices require more network resources to manage them, which could slow down the network.</p> <p>The bandwidth available for transmission will affect the network performance because it has a finite capacity that can become congested by large amounts of network traffic, therefore slowing the network.</p>	<p>2 marks for each description up to a maximum of two descriptions.</p> <p>With this type of question, it is better to identify each factor and then say why or how it can affect network performance.</p> <p>The two factors given are those stated in the syllabus, so you are advised to begin with these. Additional factors you could mention include latency, topology, physical damage, or obstructions to wireless signals.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>AO1/AO2</p> <p>1.3.1</p>

Question	Answer	Extra information	Marks	AO / Specification reference
3	<b>Any two benefits from:</b> Robust – virtually impossible to take down or less likely to fail Easy to add new devices No central point, so many routes through the network It can manage high data volumes.  <b>Any two drawbacks from:</b> Expensive to set up The system is very complex, so it is time consuming to set up There can be latency issues.	1 mark for each advantage up to a maximum of 2 and 1 mark for each disadvantage up to a maximum of 2.   No specific benefits and drawbacks are identified in the syllabus; the answers given are examples of possible answers.	1 1  1 1	AO1 1.3.1