**Q1.**

| | Answer | Do not accept | Additional Guidance | Mark |
|---|---|---|---|---|
| | **Any three ways from:**<br><br>• they can all work on / see versions of the same document<br>• they can comment/feedback on/contribute to a document/image/video<br>• they can hold a virtual meeting using text chat/messaging<br>• use VOIP<br>• use video conferencing tools<br>• be informed of updates | Working with others | | **(3)** |

**Q2.**

| | Answer | Do not accept | Additional Guidance | Mark |
|---|---|---|---|---|
| **(i)** | **Any one from:**<br><br>• HD TV<br>• HDMI cable<br>• HD cable | | | **(1)** |
| **(ii)** | **Any two advantages from:**<br><br>• Need to know how to set up pc / consoles are easier to set up<br>• Ready made controllers<br>• Can play anywhere / don't need a desk<br>• Compact / all in one/ don't need extra peripherals for gaming<br>• Designed specifically for gaming<br>• Can play hands free/new<br><br>gaming technology/games always on console first | | | **(2)** |
| **(iii)** | **Any two of:**<br><br>• Access the internet<br>• Playing CD, DVD, Blu-ray / watching videos / | | | |

| | | | | |
|---|---|---|---|---|
| | lay / watching videos / listening to music<br>• Social networking<br>• Stream/download video/music | | | **(2)** |

**Q3.**

| | **Answer** | **Do not accept** | **Additional Guidance** | **Mark** |
|---|---|---|---|---|
| | **B** | | | **(1)** |

**Q4.**

| | Answer | Do not accept | Additional Guidance | Mark |
|---|---|---|---|---|
| **(i)** | A | | | **(1)** |
| **(ii)** | A cookie:<br><br>• stores information about Gia's shopping<br><br>• stores Gia's browsing history<br><br>**1×1** | | | **(1)** |
| **(iii)** | **Any one benefit from:**<br><br>• It saves her having to type her password in again<br><br>• Her view of the website is personalised<br><br>• She can receive customised recommendations based on her shopping preferences<br><br>**1×1** | | | **(1)** |
| **(iv)** | **Any two reasons from:**<br><br>• To free up storage space on her computer<br><br>• To stop unsolicited personalised adverts<br><br>• To stop organisations getting hold of her personal information/ browsing habits<br><br>• To stop people finding out about her personal information/ browsing habits (shared computer) | • Personal details<br><br>• To reduce SPAM<br><br>• To reduce the number of adverts | | |

| | | **2×1** | | | **(2)** |
|---|---|---|---|---|---|

**Q5.**

| | **Answer** | **Do not accept** | **Additional Guidance** | **Mark** |
|---|---|---|---|---|
| | **Explanation to include two from:**<br>He must not use images without permission of the copyright holder/owner (1):<br><br>• as he would be breaching Copyright (1)<br>• to protect intellectual property rights (1) | | An explanation requires linked responses for maximum marks. Individual statement scores 1 mark max. | **(2)** |

**Q6.**

| | Answer | Do not accept | Additional Guidance | Mark |
|---|---|---|---|---|
| **(i)** | B | | | **(1)** |
| **(ii)** | **Any one reason from:**<br><br>• So no-one else can use Harry's card to get into school<br>• So no-one can impersonate Harry<br><br>1×1 | | | **(1)** |
| **(iii)** | **Any one reason from:**<br><br>• So the school knows that Harry is on the premises<br>• So that late comers can be identified<br>• So that the school can report to parents<br>• So the schools can report attendance data<br><br>1×1 | | | **(1)** |
| **(iv)** | **Any one benefit described from:**<br><br>• Doesn't require human resources/staff/labour (1) therefore more efficient/less time consuming /less costly (1)<br>• Able to manage truancy more effectively (1) because the school is able to inform parents immediately (1)<br>• Able to monitor/record student attendance(1) because they have to report attendance to Ofsted/ in order to track truancy(1)<br><br>1+1 | | One mark for initial point.<br>One mark for additional linked point. | **(2)** |

**Q7.**

| | | Answer | Do not accept | Additional Guidance | Mark |
|---|---|---|---|---|---|
| **(i)** | | **Any two ways described:**<br><br>• The system could provide nutritional information/suggest healthier alternatives (1) so that Harry is encouraged to make healthier choices (1)<br>• The system could have a pre-set limit on the amount Harry can spend on certain types of foods (1) so that Harry is prevented from eating too much junk food<br>• The system could monitor Harry's food purchases (1) and send him an email warning him to avoid certain food types (1)<br>• The system could produce a weekly report for Harry's parents (1) so that they monitor what he is eating and encourage him to make better choices (1)<br><br>2×(1+1) | | One mark for initial point.<br>One mark for additional linked point. | **(4)** |
| **(ii)** | | B | | | **(1)** |

**Q8.**

| | Indicative Content | Mark |
|---|---|---|
| | **Negatives:**<br><br>• People spending time on technology rather than with family/friends<br>• Impact upon health due to inactivity<br>• Time spent using technology rather than doing / completing work or school work<br>• More likely to have accidents such as a car crash due to using technology in inappropriate situations<br>• Dangers of giving out personal details leads to personal issues such as bullying<br>• People becoming ill /over-stressed due to the inability to stop working due to always available communication<br>• Increased amount of health issues – RSI etc.<br>• Can risk not developing proper social skills<br>• Lack of sleep due to over use of technology – affects work/school performance<br>• Can lead to inability to focus / pay attention<br>• Lack of sleep/food leads to illness<br>• Addiction is similar to other addictions and needs to be treated<br><br>**Positives:**<br><br>• Use of technology is essential in modern world – need to develop skills to be successful<br>• Technology develops hand-eye co-ordination which is essential in modern world<br>• Technology use makes life easier<br>• Technology use linked to improved reading skills<br>• Friendships can be built online (social networking) / easier to maintain contact with friends and family (e.g. Skype)<br>• Access to information about health and wellbeing online<br>• Exercises at home using digital devices such as the Wii<br>• Health and fitness monitoring<br>• Use of technology to stay safe / track location | **(6)** |

| Level | Mark | Descriptor |
|---|---|---|
| | **0** | No rewardable content |
| **Level 1** | **1-2** | The student will produce brief responses, making a limited number of simple statements, but without proper explanation or reasoning.<br>They have used everyday language but their response lacks clarity and organisation. Spelling, punctuation and the rules of grammar are used with limited accuracy. |
| **Level 2** | **3-4** | Student's responses will include a number of relevant arguments. They may focus on only negative or positive impacts. Students will have discussed the arguments that they have identified but will not always properly justify their reasoning.<br>They have used some specialist terms and their response shows some focus and organisation. Spelling, punctuation and the rules of grammar are used with some accuracy. |
| | | The student will produce a response that includes the discussion of a range of arguments for and against. The arguments presented will be supported with appropriate justification. |

| | | | | | |
|---|---|---|---|---|---|
| **Level 3** | **5-6** | They have used appropriate specialist terms consistently and the response shows good focus and organisation. Spelling, punctuation and the rules of grammar are used with considerable accuracy. | | | |

**Q9.**

| | | Answer | Do not accept | Additional Guidance | Mark |
|---|---|---|---|---|---|
| **(i)** | | **Any one from:**<br><br>• It is illegal to make a copy of software / It is illegal to copy software and make money<br>• Copyright, Designs and Patents Act | | | **(1)** |
| **(ii)** | | **Any one advantage from:**<br><br>• It might be harder to copy (to a disk) an electronic download of a game<br>• They can track where an illegal copy of a game might have come from<br>• Wider audience for the product / more ways to buy<br>• Saves money on CDs/cheaper to produce/distribution costs<br>• Helps environmental targets / eco credentials of the company<br>• Collection of marketing data | | | **(1)** |
| **(iii)** | | **Any one linked explanation from:**<br><br>• Carbon footprint will be reduced (1) as less power / fewer resources used to create disk and packaging (1)<br>• Lower emissions (1) from transport /distribution (1)<br>• Less waste produced (1) meaning less landfill / recycling costs (1) | | An explanation requires linked responses for maximum marks.<br><br>Individual statement scores 1 mark max. | **(2)** |

**Q10.**

| | Answer | Do not accept | Additional Guidance | Mark |
|---|---|---|---|---|
| **(i)** | Answer **B** | | | **(1)** |
| **(ii)** | **Any one drawback from:**<br><br>• Cannot verify that music is not a virus/malware etc.<br>• May not be the file/track you wanted<br>• May get sued by recording company / may be unlawful to download<br>• Music may be low quality<br>• Site owner may not abide by data protection laws/personal details may be given away<br>• May need specialist software | • 'illegal' without further explanation | | **(1)** |
| **(iii)** | **Any one way from:**<br><br>• Get anti-virus / anti-spyware / anti-malware software<br>• Get a firewall/turn on firewall<br>• Run a virus scan<br>• Use safe sites such as iTunes | | Accept proprietary names for software. | **(1)** |