

6-A-Day – Computer Science GCSE (20)

Q1	<p>eg</p> <ul style="list-style-type: none">• Existence check• Male / Female (or similar) allowed• And no other entry possible	2
Q2	<p>eg</p> <ul style="list-style-type: none">• Range check• Must be a (real) number• Must be positive	2
Q3	<p>The following are just examples. Give max 2 marks per technology either 1 mark for naming the technology and 1 for expansion, or 2 marks for explaining in detail without naming.</p> <p>For example:</p> <ul style="list-style-type: none">• Swipe card / Smart card technology / RFID cards• ... can allow pupils to register themselves• ... can allow pupils to be located • Electronic registers/ centralised attendance database• ... immediately updated• ... can send messages (eg via email / SMS to parents) to inform of absence• ... can produce up to date reports of absence• Virtual learning environment...• ... homework set is recorded online• ... whether homework is completed is recorded online• ... parents can be given access to this information	4

Q4	<p>eg :</p> <ul style="list-style-type: none">• Available now / the school will not have to wait• Recommendations available / can see it working in other schools• Tried and tested / less likely to contain bugs (given how critical the application is)• Costs less than custom-written / as the school does not pay for the full cost of development.• More (third party) support / documentation	2
Q5	<p>eg :</p> <ul style="list-style-type: none">• May contain features which the school does not need• May not contain features which the school needs• May not be compatible with school's hardware• May not be compatible with school's processes• Developer not available to make adjustments necessary	2
Q6	<ul style="list-style-type: none">• The computer will be able to multitask more programs• ... as there is more memory for programs/data to be loaded into.• Programs will run faster...• ... due to less use of virtual memory.	2