6-A-Day – Computer Science GCSE (25)

Q1	Points may include: **Features** • Provides a set of tools for accessing/maintaining the database, eg to define/create tables, run queries or define reports • The application is independent from the data base itself • Provides data integrity control (eg integrity checks, validation checks) • Controls access to data, including security and multiple user access **Why desirable** • These can be set up before hand by expert and used by end user • Separating application and database means the database can be accessed separately by other means eg a desktop application and web application accessing the same data / other suitable example Data is protected from corruption eg by multiple access	6		**High Level Response (5-6)** A good understanding with detailed descriptions of the role of both the features of a DBMS and an explanation of its desirability. There will be few if any errors in spelling, grammar and punctuation. Technical terms will be used appropriately and correctly. **Medium Level Response (3-4)** A description of the features of a DBMS and an explanation of its desirability, but one may be limited. There may be occasional errors in spelling, grammar and punctuation. Technical terms will be mainly correct. **Low Level Response (0-2)** There may be an attempt to describe the features of a DBMS and/or its benefits but this is vague and some of the statements made are inaccurate. Information will be poorly expressed and there will be a limited, if any, use of technical terms. Errors of grammar, punctuation and spelling may be intrusive.
Q2	eg • In high level code Instructions use words • In machine code instructions are in binary code • High-level code is designed to be read by human programmers • Machine code is to be read/executed by the computer • High level code can be portable/translated <u>for different machines</u> • Machine code is specific to a particular machine (marks in pairs)	4	Do not accept high level needs to be translated (as this is in the question)	
Q3	• Compiler	1		

Q4	Sequence Iteration Selection	3
Q5	A number which can contain a fractional part A whole number	2
	Not rounded off…	
Q6	1 1 1 1	4