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| 1a | Any three from:   * Observation * Questionnaires/Surveys * Paper trial * Existing business documents * Any other reasonable example   Do not accept (face-to-face) interviews |
| 1b | 1 mark for name, 2 marks for description (1 mark per bullet max)   * Data Flow Diagram (1)… * …. information flows through a system in a logical order (1) * ….. see how inputs and outputs of data and processed and stored. (1) * Decision table (1) * …. used to assess different input combinations (1) * …..to analyse the behaviour of the system (1) * Data dictionary (1) * …. outline the structure of a database by defining fields and their characteristics (1) * …..helps to establish a data structure/query structure/any validation required in the system.(1) |
| 1c | **Mark band 6 – 8 Higher level response**  Candidate has named and described a full range of stages required after the design stage of the life cycle and has described more than one type of documentation that can be used. There will be a logical order to the stages or they will be related to each other.  Candidate has used appropriate technical terminology throughout. There are few if any errors of grammar or spelling errors.  **Mark band 3 – 5 Medium level response**  Candidate has named and described a number of stages required after the design stage of the life cycle and has described at least one type of documentation that can be used. There may be an order to the stages although this order may not be fully explained.  Candidate has used some appropriate technical terminology in the response.  There may be errors of grammar or spelling errors in the response but they are not obtrusive.  **Mark band 0 – 2 Low level response**  Candidate has explained at least one stage required after the design stage of the life cycle or has described at least one type of documentation.  Candidate has failed to use technical terminology.  There are likely to be spelling errors and / or errors of grammar which will disrupt the flow of the response.  Answers may include:   * Coding * System testing to make sure that the system works as described in the specification by: * Testing each individual system function * Testing each function with extreme, normal and abnormal data * Testing that system produces correct results for specific data input * Installation planning to include an analysis of the following methods and their suitability in the library: * Parallel running * Direct changeover * Pilot running * Phased implementation * Consideration of maintenance procedures * Adaptive / Perfective / Corrective * System review and reassessment understanding that the solution has a limited life span and that obsolescence brought about by new hardware and software techniques will always require further work. * The documentation will include descriptions of: * User documentation * Technical documentation * System documentation * Including in each case an explanation of why it is needed and some of the items that will be contained.   High level:  Full range of stages of the life cycle + at least two sets of documentation described  Middle level:  A number of stages + two sketchy levels of documentation or  All the stages + one documentation  Low level:  Some stages OR a description of some documentation.  Once the level is established the quality of the response decides which of the three marks it gets for that level  Be wary of well written response full of lots of detail about the systems life cycle but no documentation. It has a maximum mark of 2.  Ignore anything about the life cycle that does not come after the design stage chronologically |