|  |
| --- |
| The Software Development ProcessANALYSIS & DESIGN |
| 1. | List the stages of the software development process in order.  |
| 2. | Describe the term iterative. |
| 3.  | List three tasks carried out at the analysis stage. |
| 4. | Name the document that is produced at the analysis stage that contains details of exactly what the software must do, the timescale and the budget.  |
| 5.  | Describe the term **‘functional requirements’**. |
| 6. | Describe the term **‘user requirements’**. |
| 7. | State two tasks carried out at the design stage.  |
| 8. | Describe what is meant by **‘user interface’**. |
| 9.. | Name the design notation used to design the user interface. |
| 10.  | List three design notations that can be used to design the structure of the code. |
| 11. | Give two examples of assumptions that developers may need to make at the design stage.  |
| 12. | Identify which design notation has been used in each example below.  |
|  | **Example 1** |
|  | 1. RECEIVE name FROM KEYBOARD
2. RECEIVE mark FROM KEYBOARD
3. IF mark > 50 then
4. SEND (“You have passed”) TO DISPLAY
5. ELSE
6. SEND (“You have failed”) TO DISPLAY
7. END IF
 |

|  |  |
| --- | --- |
|  | **Example 2** |
|  |  |
|  | **Example 3** |
|  |  |
| 13.  | Design a solution the problem below using each design notation.  |
|  |  | **A program is required to process ticket purchases for a concert. Customers can buy between 1 and 10 tickets. A discount of 5% is given for purchases of more than 5 tickets.** **Tickets for the concert are priced at £25.**  |  |
|   |  |