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| Question | Description | Marks |
| 1 | One mark per each correct binary value. One mark per each correct hex value. | 6 |
| 2  | Any four from:− MAR− MDR− PC− ALU− CU− ACC− CIR− Buses− Registers | 4 |
| 3 | Input− Black− White− Sensors− BinaryOne mark for each correct term in the correct place | 5 |
| 4 | Any five from: • Data fetched from RAM is stored in the MDR • Data from MDR is sent to ALU to be executed • ALU performs calculation and logical operations on data • ALU has a built-in register ... • ... where it stores interim results of calculations • After calculations, ALU sends data to MDR • Data is sent from MDR to be written to RAM   | 5 |
| 5 | Common device for data entry. Device used to capture the images. A series of dark and light parallel lines of varying thickness. matrix of filled-in dark squares on a light background.   | 4 |
| 6 a | DECLARE Sum, Number : Integer Sum <- 0 FOR Number <- 1 TO 10 Sum <- Sum + Number NEXT Number OUTPUT "The sum of the first 10 numbers is: ", Sum | 5 |
| 6 b | Sum = 0Num = 0Is num <= 10falseTrueSum = sum + numNum = num + 1 | 5 |
| 7 a | CASE expression value1 : code block or statement block for value1 value2 : code block or statement block for value2 ... valueN : code block or statement block for valueN OTHERWISE : code block or statement block to execute if none of the above values matchEND CASE | 2 |
| 7 b | IF condition THEN // statements to execute if the condition is trueELSE // statements to execute if the condition is falseENDIF | 2 |
| 7 c | WHILE condition DO // Statements to be executed repeatedly while the condition is trueENDWHILE | 2 |