

Questions

1) Explain why the hexadecimal number system is used in computer science. [2]

2) State the name of the number systems of each of the following number bases. [3]

- a) Base 2
- b) Base 10
- c) Base 16

3) State the name of the number systems represented by each of the following numbers (some can have more than one answer): [5]

- a) F4
- b) 94
- c) 1010
- d) 11
- e) 3B

4) Use the table on page 4 to lookup the hexadecimal values for each of the following binary bit patterns: [3]

- a) 1011
- b) 0000
- c) 1110

5) Convert the following binary numbers to hexadecimal numbers: [3]

- a) 1 1 1 0
- b) 0 1 1 1 1 1 0 1
- c) 1 0 1 0 0 1 1 1

6) Convert the following hexadecimal numbers to binary numbers: [3]

- a) E
- b) 4F
- c) B7