

## ECAT Computer Science Chapter 4 Computer Arithmetic & Number System Online Test

Sr	Questions	Answers Choice
1	The digits used for hexadecimal number system are.	A. A through Z B. 1 through 16 C. 0 through 15 D. 0 through 9 and A through F
2	Alphanumeric characters are expressed in terms of binary codes. In ASCII (American standard Code for Information Interchange) each character is represented as a	A. 8 bit code B. 4 bit code C. 5 bit code D. 7 bit code
3	The main advantage of hexadecimal number is the ease of conversion from hexadecimal to.	A. ASCII code B. binary C. octal D. decimal
4	The hexadecimal number system is widely used in analyzing and programming in.	A. analog computers B. binary computers C. decimal computers D. micro computers
5	Base 8 is often used in computing because.	A. there are 8 bit in a byte B. calculations become easier by using base 8 C. electronic circuits can be made economically D. it can represent long strings of binary 1's and 0's in a more compact form
6	The reason why computers have been designed to use binary numbers is.	A. computer circuits have to handle 2 binary digits rather than 10 B. electronic components, by their very nature, operate in a binary mode C. everything that can be done with a base of 10 can also be done in binary D. all of the above
7	A letter, number, or a special character is represented by a.	A. bit B. kilobyte C. byte D. megabyte
8	Data items are generally classified into which type of codes	A. Numeric B. Alphanumeric C. Character D. All of the above
9	Data is represented on a computer by means of a two-state on/off system called	A. the octal system B. the binary system C. a word D. ROM