

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

Sr	Questions	Answers Choice
1	The number 10000 would appear just immediately after.	A. FFFF (hex) B. 1111 (binary) C. 7777 (octal) D. all of the above
2	The number A9D in Hexadecimal system is equivalent to which number in binary system.	A. 101010111101 B. 101010011101 C. 101110011101 D. 101010011111
3	$126_8 + 425_8 = \underline{\hspace{2cm}}$	A. 11110101₂ B. 10110100₂ C. 10110101<sub>2</sub> D. 10110001₂
4	$AB_{16} + CD_{16} = \underline{\hspace{2cm}}$	A. 10111010₂ B. 10111100₂ C. 10111110<sub>2</sub> D. 10110100₂
5	The number A9D in Hexadecimal system is equivalent to which number in decimal system.	A. 2727 B. 2648 C. 3717 D. 2717
6	The number ABC in Hexadecimal system is equivalent to which number in decimal system.	A. $A \times 100 + B \times 10 + C \times 1$ B. $10 \times 100 + 11 \times 10 + 12$ C. $10 \times 16 + 11 \times 16 + 12$ D. $10 \times 256 + 11 \times 16 + 12$
7	The binary number 101000101011 is equal to the hexadecimal number	A. A2D B. C2D C. A2B D. B2C
8	The binary number 10011101 is equal to the hexadecimal number.	A. 9E B. 9F C. 9D D. FF
9	Octal number system uses the digit 0 to 7. The equivalent of Octal 126 in decimal system is.	A. 80 B. 82 C. 86 D. 84
10	What is the octal equivalent of the binary system :10111101.?	A. 675₈ B. 275<sub>8</sub> C. 572₈ D. 573₈
11	Number 375_{10} is equivalent in binary system to.	A. 101110101 B. 100110101 C. 101110111 D. 101110011
12	Binary number 10101101 is equivalent in decimal form to.	A. 170 B. 171 C. 173 D. 174
13	Four-digit binary number 1011 is represented in the decimal system by.	A. 7 B. 9 C. 11 D. 13
14	97_{10} (decimal) in octal number system is equivalent to.	A. 136₈ B. 140₈ C. 139₈ D. 141<sub>8</sub>
15	125 ₈ (octal) in decimal equivalent is equal to.	A. 83₁₀ B. 84₁₀ C. 85<sub>10</sub> D. 86₁₀

