Question 1  Correct  Mark 1.00 out of 1.00   ▼ Flag question	Which of the following is equivalent to the Boolean expression $A + AB + ABC + ABCD + ABCDE + ABCDEF$ ?  • a. $A + AD$ • b. $ABCDEF$ • c. $AB$ • d. $A + B + C + D + E + F$	<b>✓</b>
	Your answer is correct. The correct answer is: $A + AD$	
Question <b>2</b> Correct Mark 1.00 out of 1.00  Flag question	What is the most simplified form of the Boolean equation $(\overline{A}BC\overline{D}+BCD)(A\cdot\overline{B})^{\prime}$ a. $BCD$ b. $BC$ c. $A+\overline{B}$ d. $\overline{A}+B$	? •
	Your answer is correct. The correct answer is: $\overline{A} + B$	
Question <b>3</b> Correct  Mark 1.00 out of 1.00	Complement of a function expressed as sum of minterms will be:  a. sum of maxterms b. product of minterms c. sum of minterms d. product of maxterms	•
	Your answer is correct.  The correct answer is: product of maxterms	
Question 4  Correct  Mark 1.00 out of 1.00  Flag question	What is the hexadecimal equivalent of the octal number $(763276327632)_8$ ?  • a. $(F9AF9AF9A)_{16}$ • b. $(68987BAE1)_{16}$ • c. $(B23B23B23)_{16}$ • d. $(ED315134B)_{16}$	•
	Your answer is correct. The correct answer is: $ (F9AF9AF9A)_{16} $	
Question <b>5</b> Correct Mark 1.00 out of 1.00  Flag question	Which of the following gates can be used to make all other logic functions?  a. NOT b. OR c. NAND d. AND	•
	Your answer is correct. The correct answer is: NAND	
Question 6  Correct  Mark 1.00 out of 1.00  Flag question	What is the decimal value of the recurring binary number $(0.1111\dots\dots)_2$ ?  • a. $(0.5)_{10}$ • b. $(0.99)_{10}$	
	o c. $(0.555)_{10}$ o d. $(1)_{10}$ Your answer is correct.	<b>✓</b>
Question <b>7</b>	The correct answer is: $(1)_{10}$ Which of the following signed representations has one representation for zero?	
Correct  Mark 1.00 out of 1.00	<ul> <li>a. 1's complement</li> <li>b. 2's complement</li> <li>c. signed magnitude</li> </ul>	<b>✓</b>
	Od. both a and c  Your answer is correct.  The correct answer is: 2's complement	
Question <b>8</b> Correct  Mark 1.00 out of 1.00  Flag question	The AND of the two implication functions $x \to y$ AND $y \to x$ gives:  a. XOR of $x, y$ b. Always 1 c. Always 0 d. XNOR of $x, y$	•
	Your answer is correct. The correct answer is: XNOR of $x,y$	
Question <b>9</b> Correct Mark 1.00 out of 1.00	Which of the following equations is an example of the Associative Property? i. $A + B = B + A$ ii. $A(B + C) = AB + AC$ iii. $A + (B + C) = (A + B) + C$ iv. $A \cdot 1 = A$	•
	Your answer is correct. The correct answer is: $A+(B+C)=(A+B)+C$	
Question 10  Correct  Mark 1.00 out of 1.00  Flag question	<ul> <li>Which of the following functions does not follow the associative law?</li> <li>a. NAND</li> <li>b. XNOR</li> <li>c. OR</li> <li>d. XOR</li> </ul>	•
	Your answer is correct. The correct answer is: NAND	