

Assignment No.	Assignment	Learning Outcomes/Contents	Guidelines (Cues/Steps/Area)	Assessment Criteria (Rubrics)	Com'ts																																								
3	A learner has secured (1100010)2, (124)8, (5D)16 and (85)10 marks consecutively in his/her 1st, 2nd, 3rd and 4th assignment test.  Different conversions of the numbers and analysis of addition and subtraction system  (Complete the assignment according to the instructions.)	Learners will be able to:  a. Describe the classifications of number system  b. Understand the intra-relationship of various number system  3. Perform binary addition and subtraction.	a. Analyze the basic Symbol and base of positional number system with examples  b. Convert the marks secured in the 1st, 2nd and 3rd assignment test into decimal number.  c. Convert the marks secured in the 4th assignment test into binary, octal and hexadecimal number.  d. Explicate the Sum of the marks secured in the 1st and 2nd assignment test, and subtraction of the marks secured in the 1st and 2nd assignment test into binary number.	<table> <tr> <th rowspan="2">Indicators</th><th colspan="4">Rating Scale</th><th rowspan="2">Score</th></tr> <tr> <th>4</th><th>3</th><th>2</th><th>1</th></tr> <tr> <td>Number system</td><td>Accurate explanation of four types of number system</td><td>Accurate explanation of three types of number system</td><td>Accurate explanation of two types of number system</td><td>Accurate explanation of one type of number system</td><td></td></tr> <tr> <td>Conversion of various number systems into decimal numbers</td><td>Accurate conversion of binary, octal and hexadecimal numbers into decimal numbers</td><td>Accurate conversion of two types of numbers into decimal numbers</td><td>Accurate Conversion of one type of numbers into decimal numbers</td><td>If only follows the system of converting one type of number into decimal number</td><td></td></tr> <tr> <td>Conversion of decimal numbers into various numbers of number system.</td><td>Accurate conversion of decimal numbers into binary, octal and hexadecimal numbers</td><td>Accurate conversion of decimal numbers into two types of numbers</td><td>Accurate Conversion of decimal numbers into one type of numbers</td><td>If only follows the system of converting decimal number into one type of number.</td><td></td></tr> <tr> <td>Addition and subtraction of secured marks</td><td>Explication into binary numbers after addition and subtraction</td><td>Explication into binary numbers after addition or subtraction</td><td>Doing only addition and subtraction</td><td>Doing only addition or subtraction</td><td></td></tr> <tr> <td colspan="5">Total marks for this assignment:</td><td></td></tr> </table>	Indicators	Rating Scale				Score	4	3	2	1	Number system	Accurate explanation of four types of number system	Accurate explanation of three types of number system	Accurate explanation of two types of number system	Accurate explanation of one type of number system		Conversion of various number systems into decimal numbers	Accurate conversion of binary, octal and hexadecimal numbers into decimal numbers	Accurate conversion of two types of numbers into decimal numbers	Accurate Conversion of one type of numbers into decimal numbers	If only follows the system of converting one type of number into decimal number		Conversion of decimal numbers into various numbers of number system.	Accurate conversion of decimal numbers into binary, octal and hexadecimal numbers	Accurate conversion of decimal numbers into two types of numbers	Accurate Conversion of decimal numbers into one type of numbers	If only follows the system of converting decimal number into one type of number.		Addition and subtraction of secured marks	Explication into binary numbers after addition and subtraction	Explication into binary numbers after addition or subtraction	Doing only addition and subtraction	Doing only addition or subtraction		Total marks for this assignment:						
Indicators	Rating Scale					Score																																							
	4	3	2	1																																									
Number system	Accurate explanation of four types of number system	Accurate explanation of three types of number system	Accurate explanation of two types of number system	Accurate explanation of one type of number system																																									
Conversion of various number systems into decimal numbers	Accurate conversion of binary, octal and hexadecimal numbers into decimal numbers	Accurate conversion of two types of numbers into decimal numbers	Accurate Conversion of one type of numbers into decimal numbers	If only follows the system of converting one type of number into decimal number																																									
Conversion of decimal numbers into various numbers of number system.	Accurate conversion of decimal numbers into binary, octal and hexadecimal numbers	Accurate conversion of decimal numbers into two types of numbers	Accurate Conversion of decimal numbers into one type of numbers	If only follows the system of converting decimal number into one type of number.																																									
Addition and subtraction of secured marks	Explication into binary numbers after addition and subtraction	Explication into binary numbers after addition or subtraction	Doing only addition and subtraction	Doing only addition or subtraction																																									
Total marks for this assignment:																																													
Allotted marks: 16																																													

Marks Obtained	Comments
13-16	Excellent
11-12	Very good
08-10	Good
00-07	Needs Improvement