



Class	Subject	Chapter	Topic	Web link
VII	Computer	Number System	<p><b>Q1. Fill in the blanks:</b></p> <p>i. _____ of a number system is the total number of digits available in the number system.</p> <p>ii. The base of Binary number system is ____.</p> <p>iii. The base of _____ number system is 16.</p> <p>iv. Digits from 0-9 are used in _____ number system.</p> <p>v. Digits from 0-7 are used in _____ number system.</p> <p><b>Q2. State True or False:</b></p> <p>i. The decimal number 2 is represented in binary as 10.</p> <p>ii. The octal number system consist of digits 1-7.</p> <p>iii. The hexadecimal number system consists of numbers from 0-9, letters A-F</p> <p>iv. Number system conversion is required to communicate for different levels of computer system.</p> <p>v. Binary number with four digits has a maximum value of 15.</p> <p><b>Q3. Answer the following questions:</b></p> <p>a. What is Number System?</p> <p>b. What are the different types of Number System? Explain briefly.</p> <p><b>Q4. Convert the following numbers from Binary to Decimal.</b></p> <p>i. <math>(1101)_2 = (13)_{10}</math></p> <p>ii. <math>(11010)_2 = (26)_{10}</math></p> <p><b>Q5. Convert the following numbers from Decimal to Binary.</b></p> <p>i. <math>(54)_{10} = (110110)_2</math></p> <p>ii. <math>(153)_{10} = (10011001)_2</math></p>	

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