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Course Code: MCA-233

Course Name: Multimedia Technologies

**Assignment 2
(Based on Unit - III)**

No.	Question	CO	BTL
Q1.	Compute the code for <i>advvrk</i> using dynamic Huffman coding.	CO4	BTL 3
Q2.	Compare and contrast lossless and lossy compression.	CO4	BTL 2
Q3.	The characters <i>a</i> to <i>f</i> have the set of frequencies based on the fibonacci numbers as follows: a: 1, b: 1, c: 2, d: 3, e: 5, f: 8 If the compression technique is Huffman Coding, how many bits will be saved?	CO4	BTL 4
Q4.	Articulate LZW encoding with the help of an example.	CO4	BTL 3
Q5.	Using run-length coding, find the code for <i>BBBBHHDDXXXXKKKKWWZZZZ</i>	CO2	BTL 3