Huffmans Trees

1. Describe the process of constructing a Huffman tree and explain how it is used to encode text efficiently.
2. Que – 1. Which of the following is true about Huffman Coding?  
   (A) Huffman coding may become lossy in some cases  
   (B) Huffman Codes may not be optimal lossless codes in some cases  
   (C) In Huffman coding, no code is prefix of any other code.  
   (D) All of the above
3. Que – 2. How many bits may be required for encoding the message ‘mississippi’?
4. Encodes the following line using the shortest possible bit string from huffmans tree algo: "mississippi”
5. Draw the frequency array and Huffman tree for the following string: "dogs do not spot hot pots or cats".