**Assignment of data compression**

a. Differentiate between static length and variable length coding schemes. Explain with the help of examples.

b. Based upon the requirements of reconstruction how data compression techniques are broadly classified. Explain these classifications in brief.

c. What are the measures of performance of data compression algorithms.

d. What is average information ? What are the properties used in measure of average information.

e. Explain Tunstall codes with the help of example.

f. Discuss the application of Huffman coding in different areas.

g. How a tag is generated in arithmetic coding.

h. Compare Huffman and Arithmetic coding.