## Protocol Theory 15.4.2003

- Compress and decompress "mississippi" with LZ77 of dictionary size 8 and buffer size 4.
- 2. The probabilities of a, b, and c are 1/4, 1/2, and 1/4 respectively. Encode "acba" with arithmetic coding. Generate the binary code.
- 3. Explain the working principle of nonlossy and lossy JPEG image compression.
- Encode 10010011 with one error correcting Hamming coding, change the second bit from the beginning of the encoded string and decode.