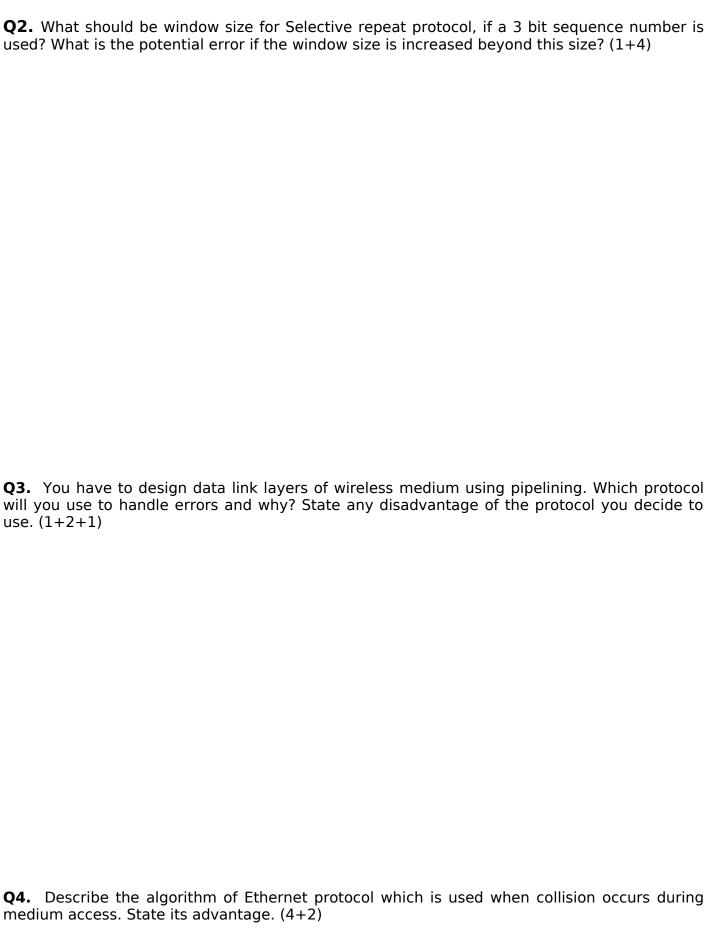
| Name: | Roll No |
|---------------------------------------------------------------|-----------------|
| Section: | |
| Computer Networks Midterm-II Exam Time allowed: 90 minutes | Total marks: 25 |

NOTE: Write **only** in the space provided for the answers. This exam consists of 5 questions on 3 pages.

Q1. Sixteen-bit messages are transmitted using a Hamming code. How many check bits are needed to ensure that the receiver can detect and correct single bit errors? Find the bit pattern transmitted for the message . Assume right most bit as least significant bit and even parity. (1+5)



| Q 5. | Why | minim | um size | e of the | e Etherr | net frar | ne is re | equired? | ' Please | describe | e two re | easons (| (4) |
|-------------|-----|-------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
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