Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

CSE 4101: Computer Networks, 4th Year 1st Semester, Fall 2021

Time: 15 minutes Full Marks: 10

Quiz #4 (Set-The North)

**ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| 1. | Suppose the information content of a packet is the bit pattern 1110 1111 1001  1101 and an **odd** parity scheme is being used. What would the value of the  field containing the parity bits be for the case of a two-dimensional parity  scheme? How can this scheme be used to correct bit error? Does this scheme have the capability to correct multiple bit errors? Explain. | [10] |
| --- | --- | --- |