

**AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY**

Department of Computer Science and Engineering

**Program:** Bachelor of Science in Computer Science and Engineering

**Course Title:** Introduction to Computer Networks **Course Code:** CSE 3201

**Quiz 01**

**Student ID:** \_\_\_\_\_

**Time:** 15 Minutes

**Questions**

- |   |                |
|---|----------------|
| 1. Describe the importance of Networking metrics. | $2\frac{1}{2}$ |
| 2. What is the significance of Flow Control?      | $1\frac{2}{3}$ |
| 3. Outline the importance of Protocol Hierarchy.  | $2\frac{1}{2}$ |

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|--|----------------|
| 1. Describe the importance of Reliability as a Network Criteria.                       | $2\frac{1}{2}$ |
| 2. What is the significance of Multiplexing?   | $1\frac{2}{3}$ |
| 3. Outline how communication can be provided to the top layer of a five layer network. | $2\frac{1}{2}$ |

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| 1. Describe the importance of Performance as a Network Criteria.                                   | $2\frac{1}{2}$ |
| 2. What is the significance of Service Primitives?   | $1\frac{2}{3}$ |
| 3. Discuss how Network layer (OSI model) and Internet layer (TCP/IP) model differ from each other. | $2\frac{1}{2}$ |

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|---|----------------|
| 1. Describe the importance of Security as a Network Criteria. | $2\frac{1}{2}$ |
| 2. What is the significance of Error Control?                 | $1\frac{2}{3}$ |
| 3. Outline the Physical Layer of the OSI reference model.     | $2\frac{1}{2}$ |

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| 1. Outline the relation between services and protocols. | $2\frac{1}{2}$ |
| 2. What is the significance of Connectionless Services? | $1\frac{2}{3}$ |
| 3. Outline the Transport layer of the TCP/IP model.     | $2\frac{1}{2}$ |

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| 1. Describe the Single point of failure aspect in perspective of Network Topology. | $2\frac{1}{2}$ |
| 2. What is the significance of Routing?  | $1\frac{2}{3}$ |
| 3. Outline the Data Link Layer of the OSI reference model.                         | $2\frac{1}{2}$ |