### Assignment: Week 3

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1. **Topic:**
   - UDP
   - No, the answer is incorrect.
   - Accepted Answers:
     - UDP

2. **Topic:**
   - In UDP there is some loss of datagram because
     - UDP sends each datagram only once.
     - The datagram tends to travel along different routes and to get lost.
     - UDP doesn’t have a tracking and retransmission mechanism.
   - No, the answer is incorrect.
   - Accepted Answers:
     - UDP doesn’t have a tracking and retransmission mechanism.

3. **Topic:**
   - With the help of __________ transport layer identify the application to which a segment belongs to.
   - No, the answer is incorrect.
   - Accepted Answers:
     - Port number

4. **Topic:**
   - UDP performs a 3 way handshake
     - False
     - True
   - No, the answer is incorrect.
   - Accepted Answers:
     - True

5. **Topic:**
   - Transport layer enables
     - Different applications to access different physical media.
     - Different applications to use different type of communication (reliable/unreliable).
     - One application to access different physical media.
   - No, the answer is incorrect.
   - Accepted Answers:
     - One application to access different physical media.

6. **Topic:**
   - TCP provides reliable communication by means of
     - Setting up a communication channel between sender and receiver.
     - Acknowledging segments with sequence numbers.
     - Keeping track of segments delivered with the help of acknowledgement packets.
   - No, the answer is incorrect.
   - Accepted Answers:
     - All the options are correct.

7. **Topic:**
   - The status codes of 400 series (401, 405 etc.) in HTTP means
     - The page is being redirected.
     - Server error
     - Client error
     - Internal server error
   - No, the answer is incorrect.
   - Accepted Answers:
     - Internal server error

8. **Topic:**
   - Port number associated with HTTP is
     - 80
     - 40
     - 23
   - No, the answer is incorrect.
   - Accepted Answers:
     - 80

9. **Topic:**
   - Separation of layer is useful because layers
     - Abstract away the details.
     - Helps in managing complexity.
     - Helps in developing applications specific to only one layer.
     - All the options are correct.
   - No, the answer is incorrect.
   - Accepted Answers:
     - All the options are correct.

10. **Topic:**
    - Select the statements which are true
      - All applications have fixed port numbers.
      - Some applications have fixed port numbers and others applications get port numbers from a pool.
      - 2 to 7 ports are assigned from an application determined by the network architecture on the same machine have same port number.
      - An application cannot run on TCP/IP without a port number.
    - No, the answer is incorrect.
    - Accepted Answers:
      - All the options are correct.