**Unit 2.1: Computer Networks (Week 4: Weekly Test )**

1) Explain why is Network buffering useful ? [4 marks]:

1.Buffering helps devices with different data transfer sizes adapt to one another.

2.When large data files are transferred between devices,the data is broken into small fragments.

3.The buffer receives, manipulates, and reassembles these fragments, allowing for files of any size to be transferred effectively.

2 a) Explain the term bit streaming. [2 marks]

1.Bit streaming is a sequence of digital bits sent over the internet or a network that requires a high speed data communication link.

2b) A person watches a film streamed from a website on a tablet computer.

i) Give two benefits of using bit streaming for this purpose. [2 marks]

1.No need to store large files on your device.

2.No need to wait for a whole video or music file to be downloaded before watching or listening.

ii) State two potential problems of using bit streaming for this purpose. [2 marks]

1.Cannot stream video or music files if broadband connection is lost.

2. Streaming uses up a lot of bandwidth.