**Worksheet**

**Topic: Data Transmission**

1. Data packets also have a payload and a trailer. Explain these two terms.

payload:

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trailer:

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2. 

Using the above diagram, explain how packet switching works when sending a 500 KiB file from computer 'A' to computer 'B'.

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3. Give three disadvantages of using packet switching

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4. The data is sent using parallel half-duplex data transmission.

(a) Describe how data is sent using parallel half-duplex data transmission

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(b) State two drawbacks of using parallel data transmission.

Drawback 1 .......................................................................................................................

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Drawback 2 .......................................................................................................................

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