Exercício 4) Interpretação de texto:

"… To do away with contention (collisions), and hence the indeterminacy regarding how long
a packet takes to travel from sender to receiver, it is necessary to move to Full-duplex
Switched Ethernet. Full-duplex Switched Ethernet eliminates the possibility of transmission
collisions like the ones that occur when using Half-duplex Based Ethernet. As shown in figure
below, each Avionics Subsystem— autopilot, heads-up display, etc. — is directly connected
to a Switch over a full-duplex link that comprises two twisted pairs — one pair for transmit
(Tx) and one pair for receive (Rx). The switch comprises all the components contained in the
large box. The switch is able to buffer packets for both reception and transmission…"

Regarding the text above, it´s correct to state that:
(more than one correct alternative is possible).

( ) Full duplex communication is only possible due to the using of packet buffers.

( ) Collisions are the consequence of long packets travelling from transmitter to receiver.

(x) The use of full-duplex switch instead of a half-duplex one prevents collisions.

( ) The packets move from the half-duplex link to the full-duplex link through the Rx and Tx
buffers.

(x) In this system there are full-duplex switched communication links where transmitted and
received data travel and are buffered by means of exclusive physical media (twisted wire
pairs) and buffering devices