

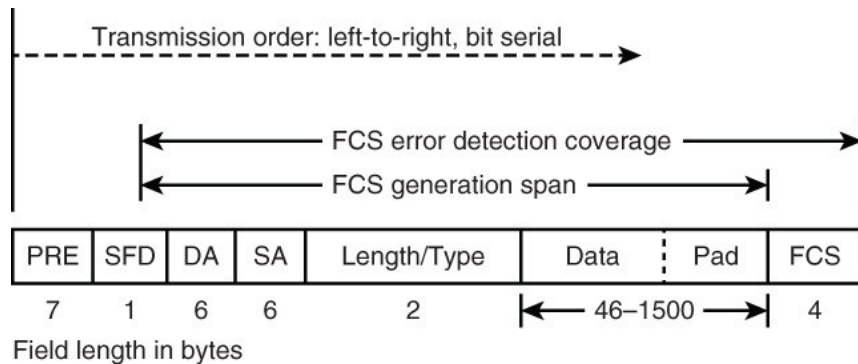
## Quiz on Ch 1: Fundamentals Review

2 Marks total

Name: \_\_\_\_\_

[1 mark; all-or-nothing] **Clearly** and correctly identify all the fields in a simple Ethernet frame. You may give a list of the fields, or draw a correctly labelled diagram.

Ref: Fig 1.1 page 4 FLG



PRE = Preamble  
SFD = Start-of-frame delimiter  
DA = Destination address  
SA = Source address  
FCS = Frame check sequence

→ = CRC calculation

[1 mark; all-or-nothing] Identify (simply name) at least 3 of the network sections, as defined in the course notes for the last lecture (see "Summary Notes for Ch 1").

Campus, core, data-centre, WAN, Internet edge, Branch, teleworker

[1 mark; all-or-nothing] Think about which is the first actual field in an Ethernet header. **Clearly** explain the significance / importance of why that specific field was chosen to be the *first* field.

Destination MAC address is first: this allows *cut-through switching* to start as early as possible during receipt of the frame.