Tutorial 3: Physical Layer (OSI Model)
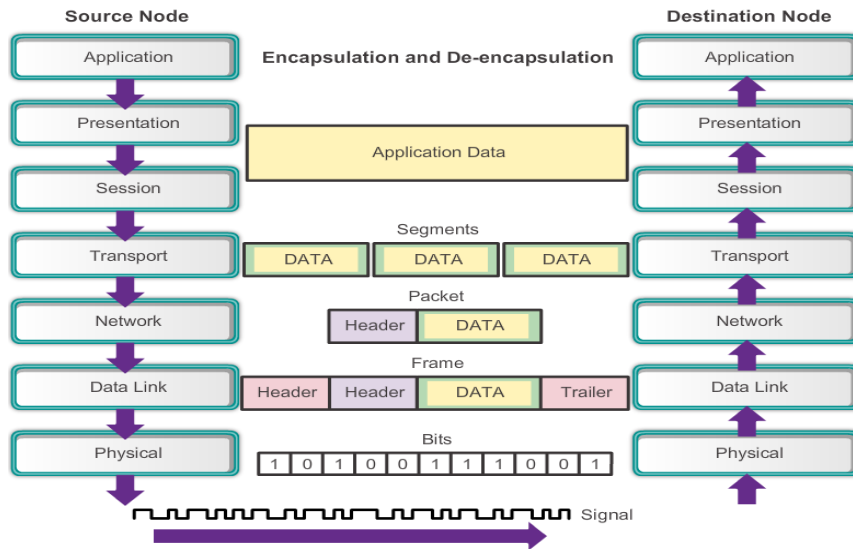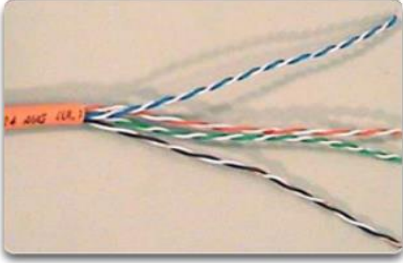
Q1. (a) With reference to the diagram, describe encapsulation process from source node to destination node. (8 marks)

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(b) The physical layer standards address three functional areas which is physical components, encoding and signalling. Discuss each of the functional areas.

(6 marks)

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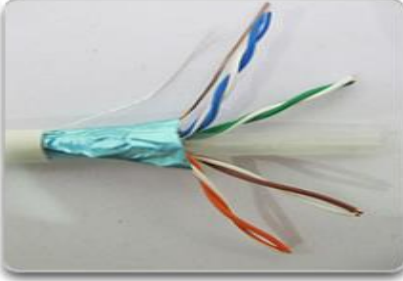_____

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Q2.   (a)   Identify the type of the copper cable and briefly describe the cable.   (9 marks)

	Cable Type	Description

(b)   Discuss the application of each of the following UTP cable types.   (6 marks)

Cable Type	Cable Use / Applications
Straight-through cable	
Crossover cable	
Rollover cable (also known as "Cisco" cable)	

(c)   When is a wired connection preferred to a wireless connection by an end-user device?

(8 marks)

updated by Ts. Carolyn Ting Hie Choon on 25.5.2020

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