# Homework 4 Wireless networking

# 1 (a) What wireless protocol is being shown in this flowchart? [2]

**C**

**A**

**B**

**Start**

Assemble a frame

Channel idle?

Transmit data

**Stop**

No

No

Yes

Yes

(b) Complete the boxes marked A, B and C. [3]

# (c) Explain the procedure shown in the flowchart. [4]

(d) Explain, with the aid of a diagram, why the steps at B and C are required. [4]

# 2. What does SSID stand for? Explain why it is needed. [3]

3. What is the purpose of the protocols WPA and WPA2? How is this purpose achieved? [2]

4. Explain what is meant by a **MAC address whitelist**. [2]

[Total 20 Marks]