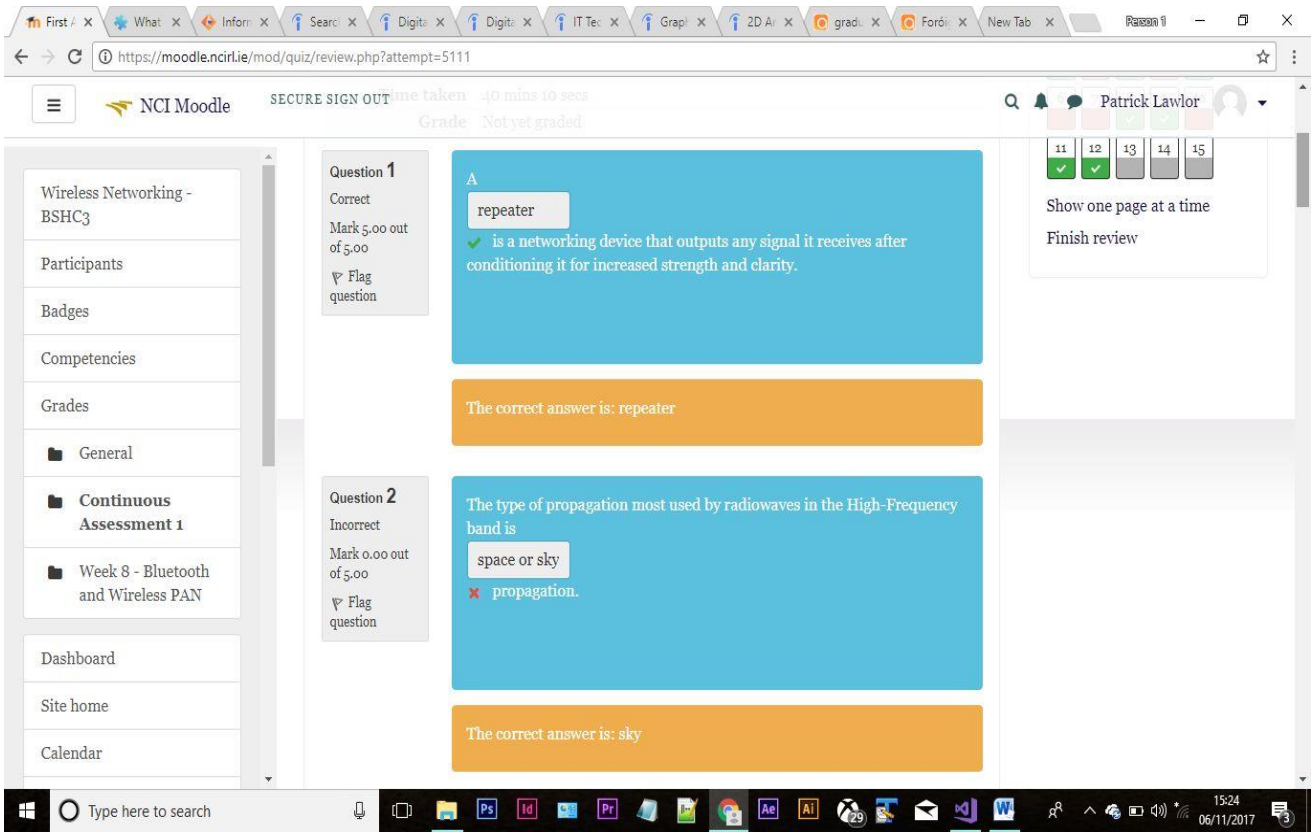
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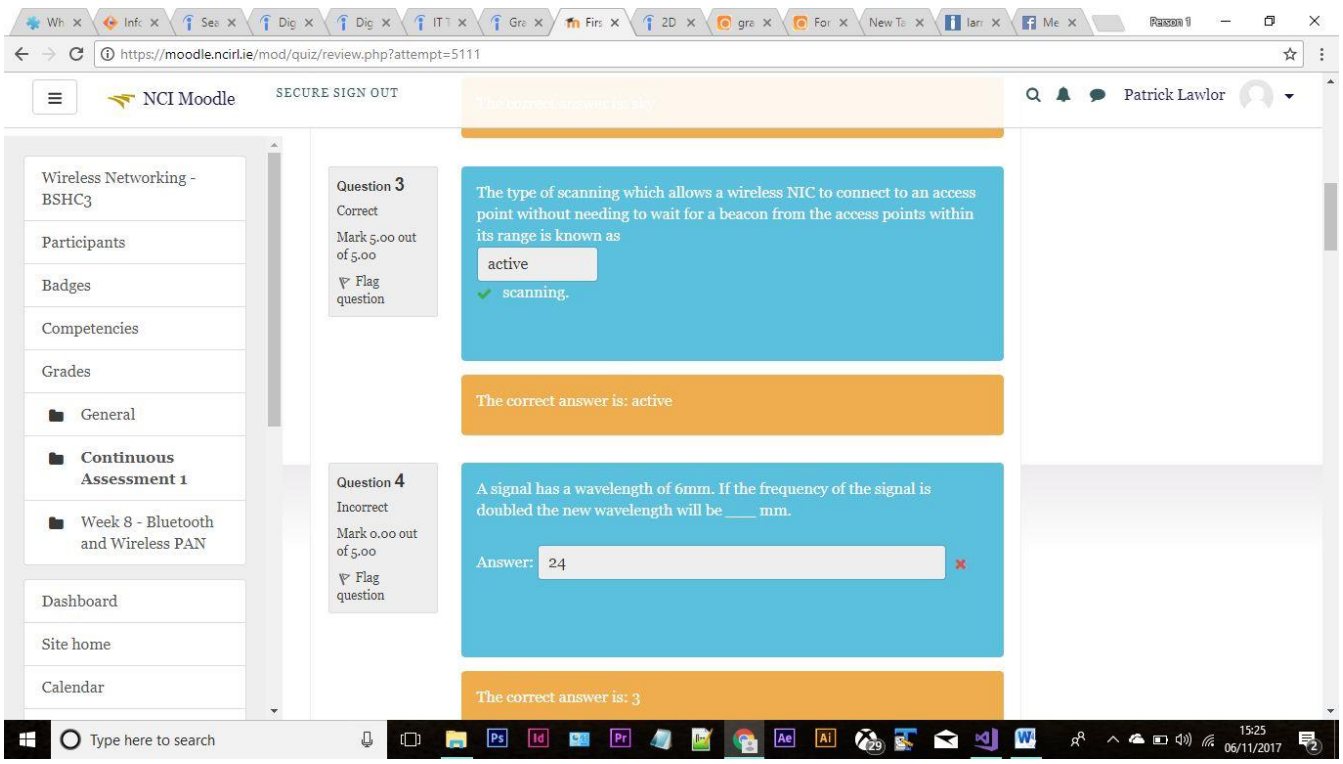
Question 1
Correct
Mark 5.00 out of 5.00
Flag question
A repeater is a networking device that outputs any signal it receives after conditioning it for increased strength and clarity.
The correct answer is: repeater
Question 2
Incorrect
Mark 0.00 out of 5.00
Flag question
The type of propagation most used by radiowaves in the High-Frequency band is space or sky propagation.
The correct answer is: sky
11 12 13 14 15
Show one page at a time
Finish review
Type here to search
15:24
06/11/2017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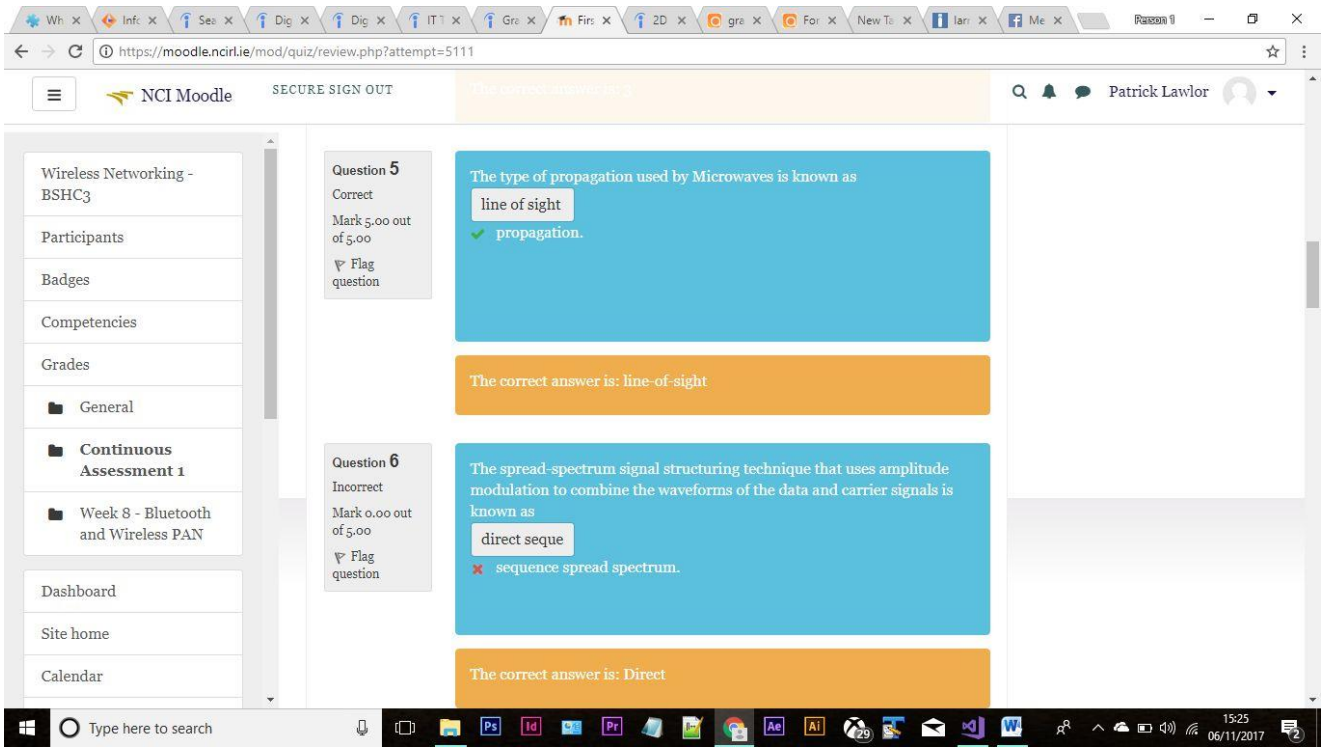
Question 3
Correct
Mark 5.00 out of 5.00
Flag question
The type of scanning which allows a wireless NIC to connect to an access point without needing to wait for a beacon from the access points within its range is known as active scanning.
The correct answer is: active
Question 4
Incorrect
Mark 0.00 out of 5.00
Flag question
A signal has a wavelength of 6mm. If the frequency of the signal is doubled the new wavelength will be ____ mm.
Answer: 24
The correct answer is: 3
Type here to search
15:25
06/11/2017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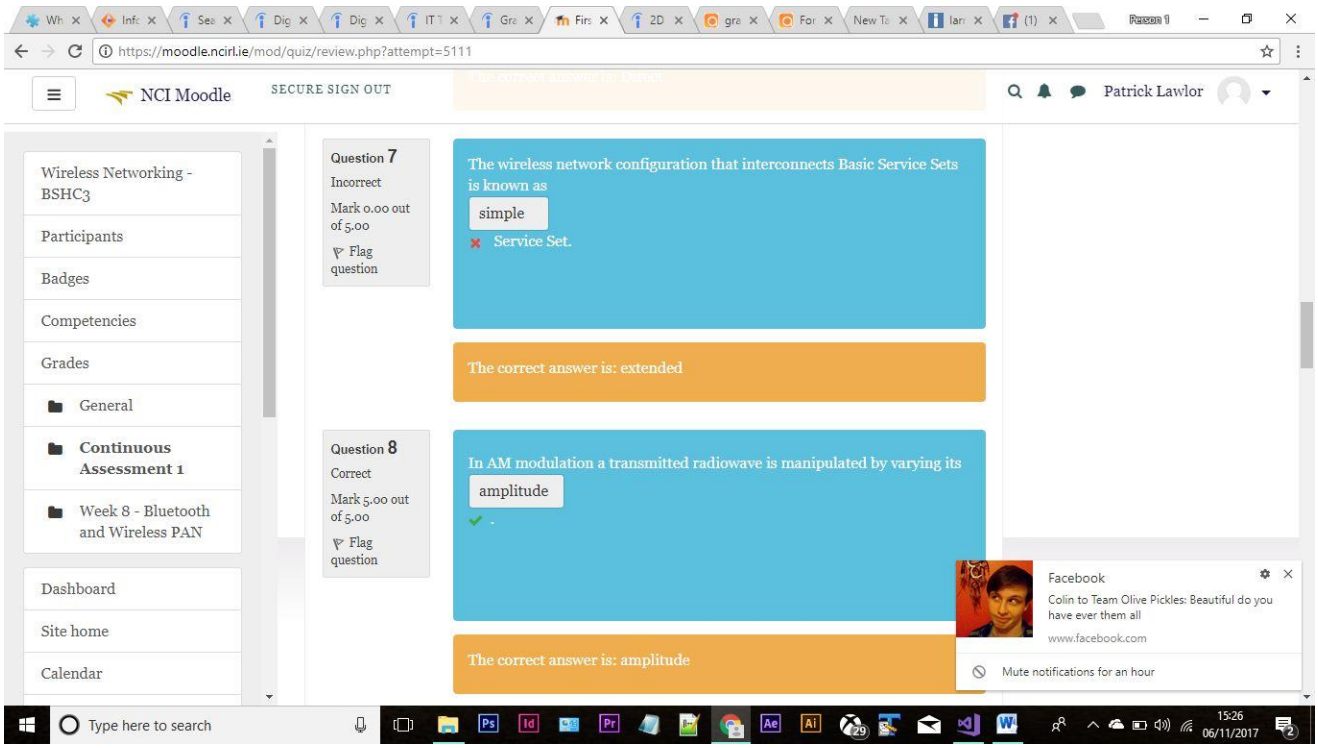
Question 5
Correct
Mark 5.00 out of 5.00
Flag question
The type of propagation used by Microwaves is known as
line of sight
propagation.
The correct answer is: line-of-sight
Question 6
Incorrect
Mark 0.00 out of 5.00
Flag question
The spread-spectrum signal structuring technique that uses amplitude modulation to combine the waveforms of the data and carrier signals is known as
direct seque
sequence spread spectrum.
The correct answer is: Direct
Type here to search
15:25
06/11/2017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Question 7
Incorrect
Mark 0.00 out of 5.00
Flag question
The wireless network configuration that interconnects Basic Service Sets is known as
simple
Service Set.
The correct answer is: extended
Question 8
Correct
Mark 5.00 out of 5.00
Flag question
In AM modulation a transmitted radiowave is manipulated by varying its
amplitude
.
The correct answer is: amplitude
Facebook
Colin to Team Olive Pickles: Beautiful do you have ever them all
www.facebook.com
Mute notifications for an hour
Type here to search
15:26
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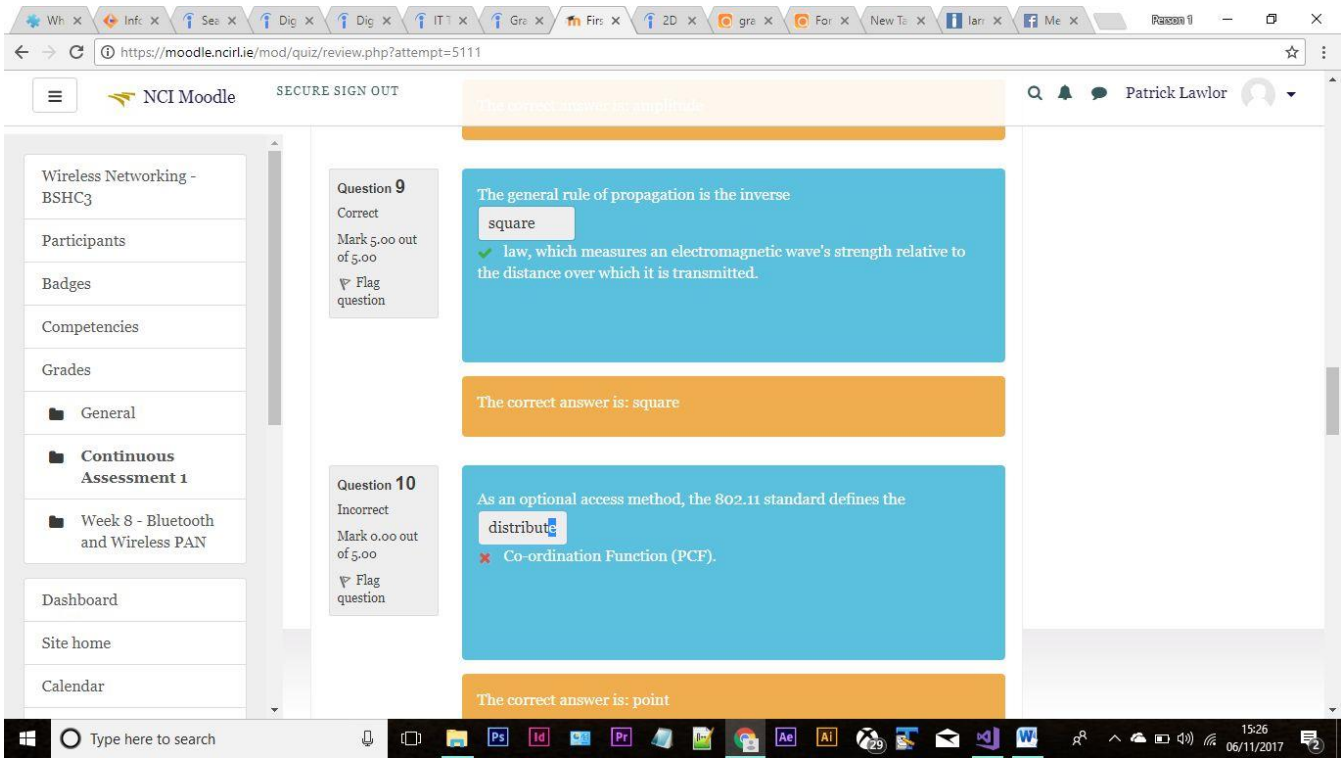
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Question 9
Correct
Mark 5.00 out of 5.00
Flag question
The general rule of propagation is the inverse
square
law, which measures an electromagnetic wave's strength relative to the distance over which it is transmitted.
The correct answer is: square
Question 10
Incorrect
Mark 0.00 out of 5.00
Flag question
As an optional access method, the 802.11 standard defines the
distribute
Co-ordination Function (PCF).
The correct answer is: point
Type here to search
15:26
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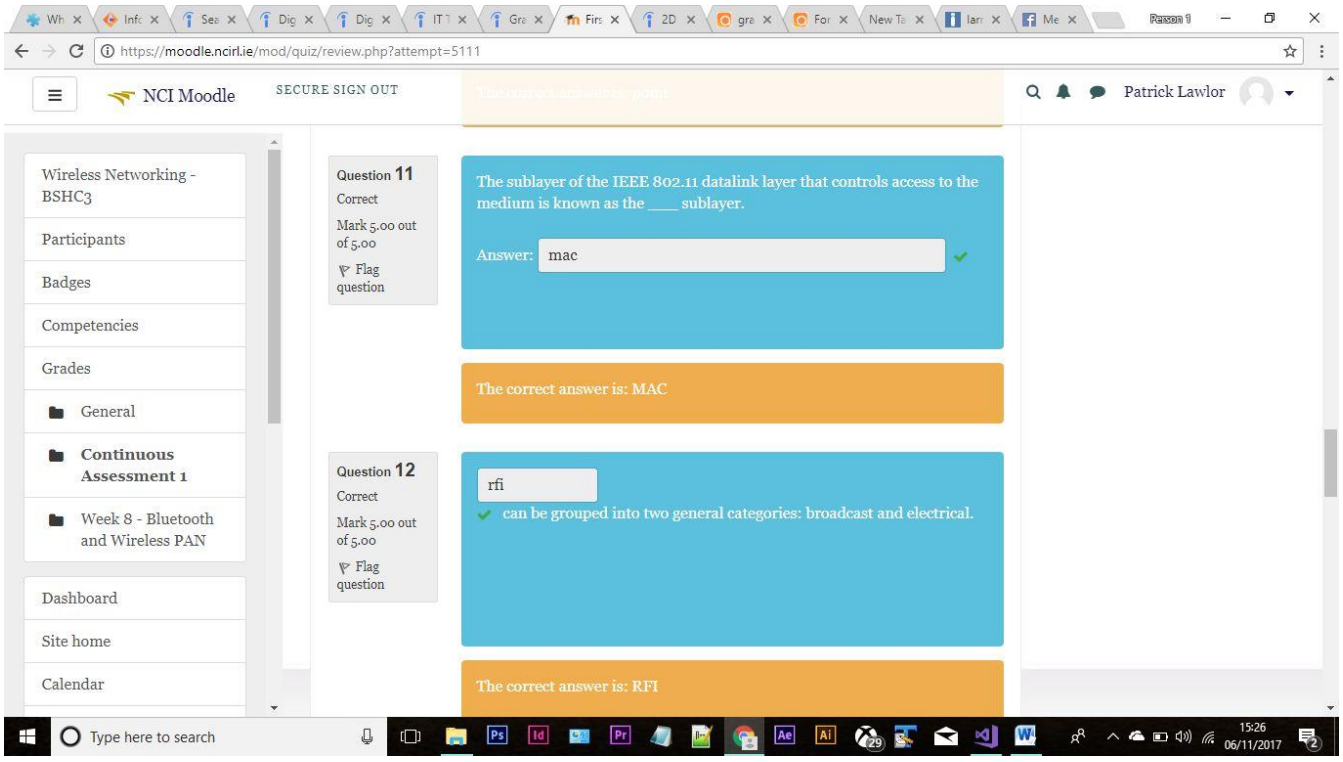
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Question 11
Correct
Mark 5.00 out of 5.00
Flag question
The sublayer of the IEEE 802.11 datalink layer that controls access to the medium is known as the ____ sublayer.
Answer: mac
The correct answer is: MAC
Question 12
Correct
Mark 5.00 out of 5.00
Flag question
rfi
can be grouped into two general categories: broadcast and electrical.
The correct answer is: RFI
Type here to search
15:26
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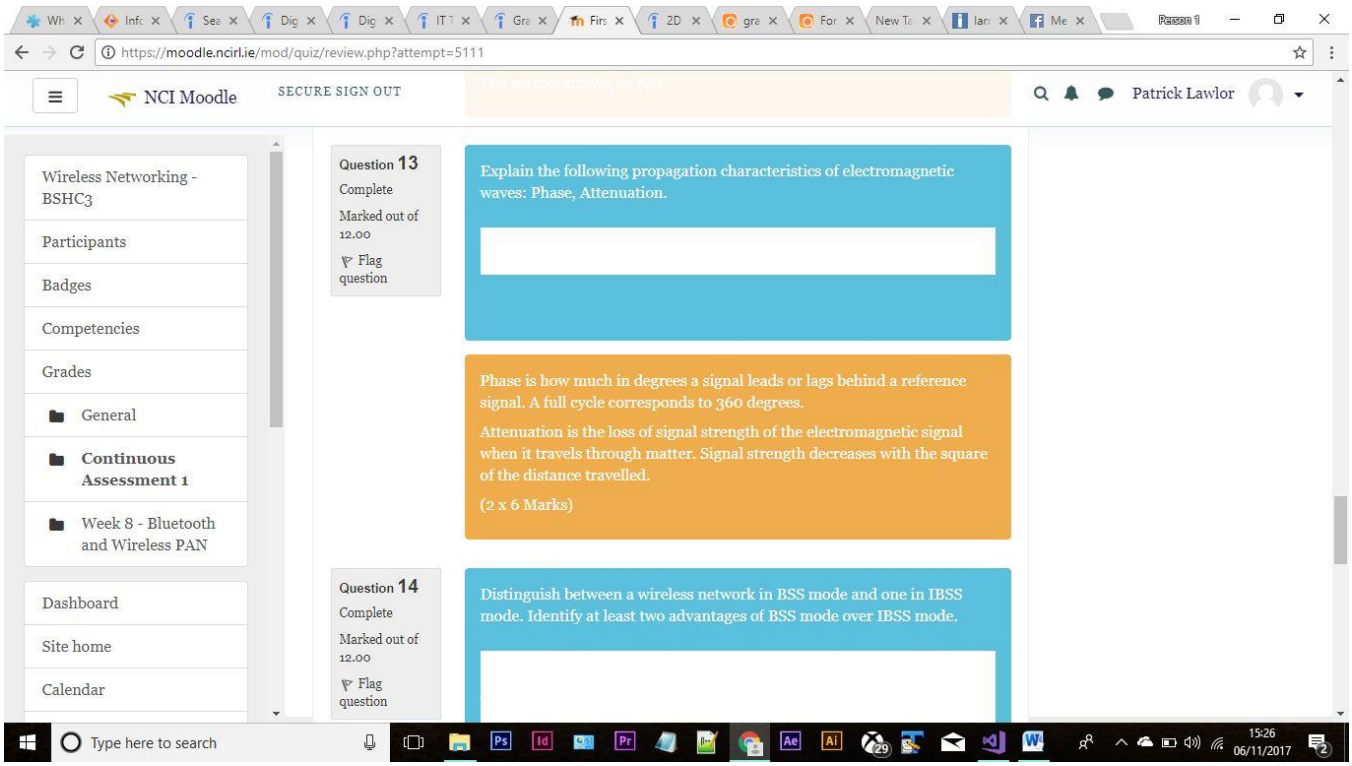
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Question 13
Complete
Marked out of 12.00
Flag question
Explain the following propagation characteristics of electromagnetic waves: Phase, Attenuation.
Phase is how much in degrees a signal leads or lags behind a reference signal. A full cycle corresponds to 360 degrees.
Attenuation is the loss of signal strength of the electromagnetic signal when it travels through matter. Signal strength decreases with the square of the distance travelled.
(2 x 6 Marks)
Question 14
Complete
Marked out of 12.00
Flag question
Distinguish between a wireless network in BSS mode and one in IBSS mode. Identify at least two advantages of BSS mode over IBSS mode.
Type here to search
15:26
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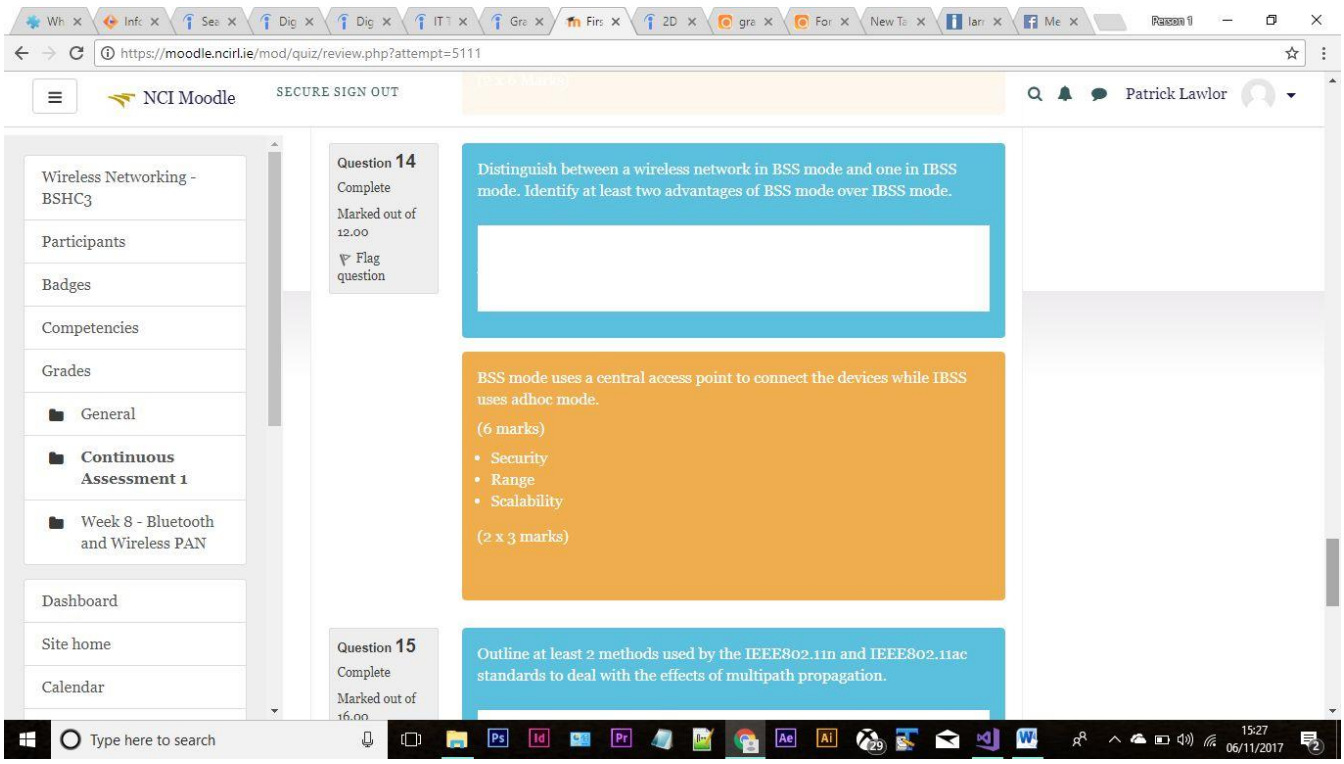
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Question 14
Complete
Marked out of 12.00
Flag question
Distinguish between a wireless network in BSS mode and one in IBSS mode. Identify at least two advantages of BSS mode over IBSS mode.
BSS mode uses a central access point to connect the devices while IBSS uses adhoc mode.
(6 marks)
Security
Range
Scalability
(2 x 3 marks)
Question 15
Complete
Marked out of 16.00
Outline at least 2 methods used by the IEEE802.11n and IEEE802.11ac standards to deal with the effects of multipath propagation.
Type here to search
15:27
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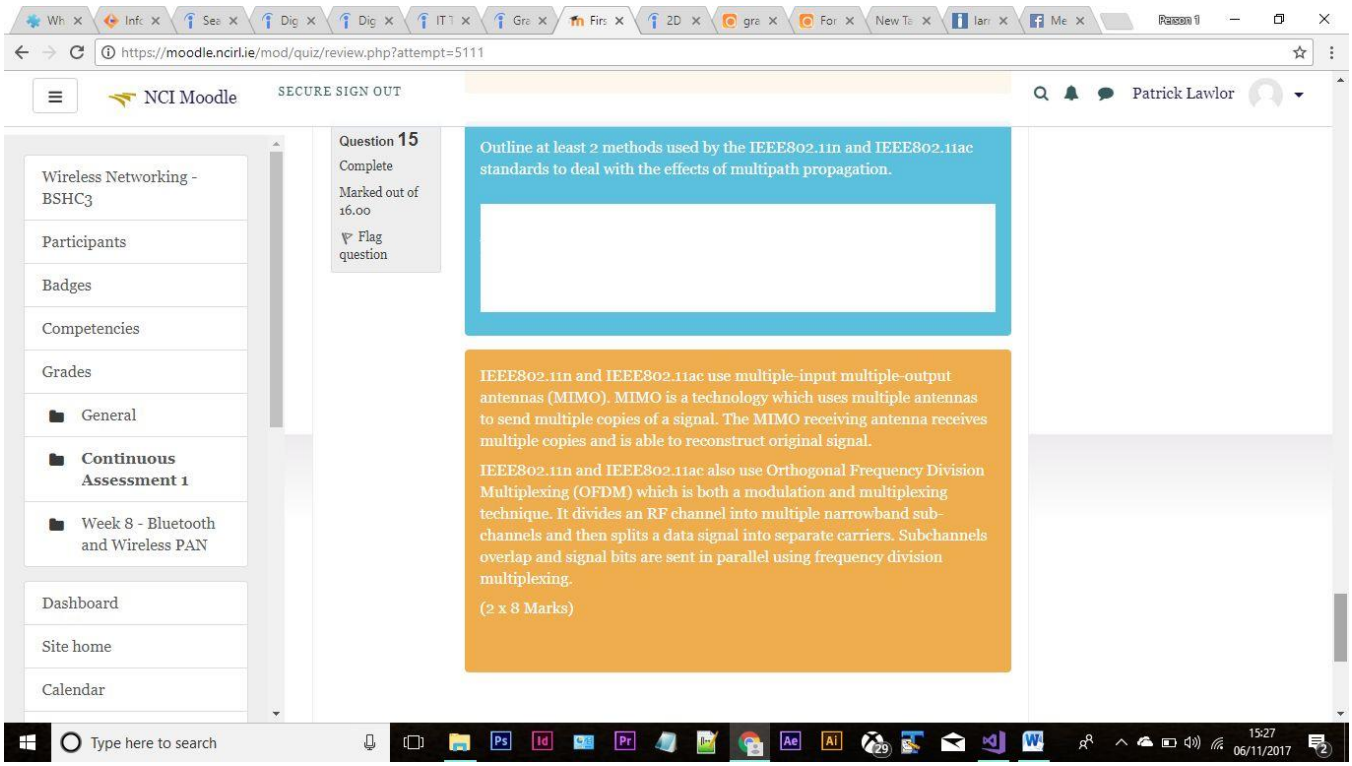
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Question 15
Complete
Marked out of 16.00
Flag question
Outline at least 2 methods used by the IEEE802.11n and IEEE802.11ac standards to deal with the effects of multipath propagation.
IEEE802.11n and IEEE802.11ac use multiple-input multiple-output antennas (MIMO). MIMO is a technology which uses multiple antennas to send multiple copies of a signal. The MIMO receiving antenna receives multiple copies and is able to reconstruct original signal.
IEEE802.11n and IEEE802.11ac also use Orthogonal Frequency Division Multiplexing (OFDM) which is both a modulation and multiplexing technique. It divides an RF channel into multiple narrowband sub-channels and then splits a data signal into separate carriers. Subchannels overlap and signal bits are sent in parallel using frequency division multiplexing.
(2 x 8 Marks)
Type here to search
15:27
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