COMP4336/9336 Mobile data networking 排导

1. An FMCW statements of



resolution of 150mm. Which of the following

The radar chirps sweep from 24GHz-25GHz

The radar chirps sweet rengel to the total of the state o

The radar chirps sweep from 77GHz-78GHz

d. Assignment Project Exam Help

The radar chirps sweep from 60GHz-61GHz Email: tutorcs@163.com

A. Resolution = c/2B, which says that the available bandwidth is only 1GHz if resolution is 130mm. 749389476

2. In Bluetooth, the 3b member address is used to identify the

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Active devices

Piconet

Both active and parked devices

Scatternet

Parked devices

- A. 3b address is used to identify the active devices; when an active device becomes a parked device (going to sleep for a while, for example), its 3b address is taken away from it.
- 3. Protocol A has four times the data rate of Protocol B but consumes three times as much power. Which protocol has less energy consumption per MB (mega byte)?

None of these

b.

Protocol B

c.
Both protocols have 提紹序的 Guntio的 CS编程辅导

Protocol A

A. Energy constant d amount of data = time to transmit the data x power

We have ¾, which is less than 1, so Protocol A consumes less energy than Protocol B.

4. For a 500kHz Marco allocative smitter to light d with SF=8 can send

a. Assignment Project Exam Help More than 1500 symbols per second but less than 1900 symbols per second b.

More than 1900 symbols per second but less than 2000 symbols per second c. Email: tutorcs @ 163.com

More than 2000 symbols per second

d.

More than 1000 symbols per second to 158 than 1970 symbols per second e

More than 2000 symbols per second but less than 2500 symbols per second

- A. Symbol rate $= 2^{SF}/B$ So, symbol rate $= 8/2^{SF} = 500 \text{kHz}/2^8 = \sim 1953$ symbols per second
- 5. How many successive unsuccessful transmission attempts are required for the Congestion Window (CW) variable to reach its maximum value in an 802.11n WLAN operating in the 5 GHz band?
- a. 7
- b. 6
- c. 3
- d. 5
- e. 4
 - A. We have CW_min = 15, CW_max = 1023
 After initialization, CW = CWmin = 15
 After 1st unsuccessful attempt, CW = min(31,1023) = 31
 After 2nd unsuccessful attempt, CW = min(63,1023) = 63

6. Consider an 802.11a WLAN. A station estimates the transmission times of RTS, CTS, and ACK as 16 μ s, 16 μ s, and 25 μ s, respectively. After receiving the RTS, the

AP generates a CTS. What would be the value of the Duration field in the CTS header if the station wanted to send 12 to us long lam range?

a. $400 \mu s$ b. 323ms 355µs 339µs e.



7. In a cellular deportment author Gastill to arce Setween co-channel cells is required to be at least 6 km. What is the minimum cell radius allowed for the cluster size of 12?

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3km

a.

 $323 \mu s$

b. 200m

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c.

500m

d.

2km

e. 1km

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8. What is the resolution of an FMCW radar utilising the frequency band 77GHz-79GHz?

a.

7.5mm

None of these

75mm

7.5cm

e.

75cm

- A. The correct answers are 75mm and 7.5cm.
- 9. To cover all directions (360 degrees), an 802.11ad PCP/AP employs two 10-sector antennas. Each antenna sector covers 18 degrees. During a Beacon Time (BT), how many beacons the AP should transmit?

a. 18 b.	程序代写代做 CS编程辅导
2	
c. 10	
d.	
38 e.	Tutor cs
20	[62][62][62][62][62][62][62][62][62][62]
10	A telephone line is known to have a loss of 15 dB. The input signal power is measured at 1 Watt, and the output signal noise level is measured at 1 dBm. What
	is the signal to noise ratio in dB? CSTUTORCS
a.	
1 b. 100	Assignment Project Exam Help
c. 10 d.	Email: tutorcs@163.com
-10 e.	
-100	QQ: 749389476
A.	No correct answer here. The correct answer should be 14.

End of W9 Quiz https://tutorcs.com