Start	ed on	Friday, 26 April 2024, 2:30 PM
	State	Finished
Complet	ed on	Friday, 26 April 2024, 2:42 PM
Time taken		11 mins 46 secs
	Grade	21.00 out of 25.00 (84 %)
Question 1 Complete		In UMTS architecture, the interface between the Node B and RNC (Radio Network Controller) is
Mark 0.00 out of 1.00		a. lub interface
	J	O b. lur interface
		c. lu interface
		O d. None of these
Question 2 Complete		SS7 (Signalling System No. 7) protocol supports the interface between
Mark 1.00 out of 1.00		a. None of these
		○ b. MS and BTS
		C. BTS and BSC
		d. BSC and MSC
Question 3 Complete Mark 1.00 out of 1.00		A base station (BS) is transmitting with a power of 25 watt at frequency $f_c = 900 MHz$, the distance between the BS and the receiver mobile unit is 50 m. Calculate the power received in dBm by the mobile unit considering free space propagation, where both the transmitting and receiving antenna has unit gain.
		a. 69.49 dBm
		○ b. None of these
		○ c. 21.53 dBm

Question **4** A base station (BS) is transmitting with a power of 50 watt at frequency $f_c = 915 \, MHz$, the distance between the BS and the receiver mobile unit is 100 m. Calculate the power Complete Mark 0.00 out of received in dBm by the mobile unit considering free space propagation, where both the 1.00 transmitting antenna has unit gain and receiving antenna has a gain 2dB. a. None of these ○ b. -16.525 dBm © c. -22.530 dBm d. -21.668 dBm Question **5** The major constraint in a mobile sensor network (MSN) ____ Complete Mark 1.00 out of Power Management 1.00 b. **Mobility Management** Heterogeneity O d. Bandwidth Management Ouestion **6** In the Friis transmission equation, the power received is not a function of Complete Mark 1.00 out of a. Distance between the transmitter and receiver 1.00 O b. Antenna Gain c. Transmitter power od. None of these Question 7Which GSM security measure prevents unauthorized devices from accessing the GSM network? Complete a. IMEI blocking Mark 0.00 out of 1.00 b. Authentication c. Ciphering d. TMSI reallocation

Question 8 Complete	Which GSM security feature provides mutual authentication between the mobile device and the network?
Mark 1.00 out of 1.00	a. International Mobile Subscriber Identity (IMSI) catching
	b. Authentication Key (Ki)
	o. IMEI blocking
	Od. Ciphering
Question 9 Complete	In a single sensor module, which one among the following is an optional unit
Mark 1.00 out of 1.00	a. Sensing unit
	○ b. Memory unit
	c. Location finder or GPS
	d. Power supply unit
	e. Processing unit
Question 10 Complete Mark 1.00 out of 1.00	The interface between the UTRAN (UMTS Terrestrial Radio Access Network) and the CN (Core Network) is
	a. lu interface
	b. lur interface
	○ c. lub interface
	O d. None of these
Question 11 Complete Mark 1.00 out of 1.00	A network of five mobile phones for data sharing is created using Bluetooth, what is the operating frequency of this network
	○ a. 5 GHz
	b. 2.48 GHz
	○ c. 24 GHz
	○ d. 240 MHz
Question 12 Complete	SYN flooding is an layer attack.
Mark 1.00 out of 1.00	○ a. Data Link
1.00	○ b. Application
	○ c. Network
	d. Transport

Question 13 Complete	A digital signature is required for:		
Mark 1.00 out of 1.00	a. non repudiation of communication by a sender		
1.50	O b. None of these		
	○ c. all e-mail sending		
	od. session hijacking		
Question 14 Complete Mark 1.00 out of 1.00	Which of the statement is wrong among the following		
	a. HSPA+ (Evolved High Speed Packet Access) is known as 4G.		
1.00	 b. HSPA allows networks based UMTS (Universal Mobile Telecommunication Systems) to acquire higher data speed. 		
	○ c. None of these		
	Od. HSPA (High Speed Packet Access) is known as 3.5G.		
Question 15 Complete	The attacker instead of compromising a single computer & its internet bandwidth, a utilizes various systems & their connections for flooding the targeted website.		
Mark 1.00 out of 1.00	a. Point-of-sale malware (POS) attack		
	b. Denial of Service (DoS) attack		
	○ c. None of these		
	 d. Distributed Denial of Service (DDoS) attack 		
Question 16 Complete Mark 1.00 out of 1.00	Which among them has the strongest wireless security?		
	a. WPA3 (Wi-Fi Protected Access 3)		
	○ b. WPA2 (Wi-Fi Protected Access 2)		
	c. WPA (Wi-Fi Protected Access)		
	○ d. WEP (Wireless Equivalent Privacy)		
Question 17 Complete	The network security requirement needed for industrial purposes is of		
Mark 1.00 out of 1.00	○ a. Level 0		
	○ b. Level 1		
	○ c. Level 3		
	□ d. Level 2		

Question 18 Complete Mark 1.00 out of 1.00	In Low Energy Adaptive Clustering Hierarchy protocol, the communication between thead node is done using a. TDMA b. CDMA c. SDMA d. FDMA	he nodes and the cluster
Question 19 Complete Mark 1.00 out of 1.00	 Which of the following is a Transport layer attack? a. SYN flooding attack b. Blackhole attack c. Byzantine attack d. Malicious code attack 	
Question 20 Complete Mark 0.00 out of 1.00	Packet Spoofing is a type of a. Active attack b. None of these c. Passive attack	
Question 21 Complete Mark 1.00 out of 1.00	Which version of WPA introduced the Temporal Key Integrity Protocol (TKIP)? a. WPA3 b. WPA2 c. WPA d. WPA-Personal	
Question 22 Complete Mark 1.00 out of 1.00	Sound Navigation and Ranging (SONAR) technology uses a. LASER b. Infrared waves c. Ultrasonic waves d. Microwaves	_ for communication.

Question 23 Complete	Which among the following is the least strong security encryption standard for wireless networks?						
Mark 1.00 out of	a. Wi-Fi Protected Access 2 (WPA2)						
1.00	○ b. Wi-Fi Protected Access (WPA)						
	c. Wired Equivalent Privacy (WEP)						
	d. Wi-Fi Protected Access 3 (WPA3)						
Question 24 Complete	Which encryption algorithm is primarily used by WPA for securing wireless networks?						
Mark 1.00 out of 1.00	○ a. DES						
	○ b. RC4						
	○ d. MD5						
Question 25	To social call due voir a collicte access to a too too too too too too too too to						
Complete Mark 1.00 out of 1.00	To avoid cell dragging which parameters has to carefully handled						
	a. Handoff threshold						
	 b. Both transmitting power of BS and distance between the BS and the mobile unit 						
	C. Distance between the BS and the mobile unit						
	○ d. Transmitting power of Base Station (BS)						
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