

2)

3)

MEO

GEO

	قائمه الاسئلة
درجة الامتحار	الشبكات اللاسلكية والحوسبة النقالة - المستوى الثالث -قسم تكنولوجيا المعلومات كلية الحاسوب وتكنولوجيا المعلومات - الفترة - ا
	أ.م.د عمار الزهاري
1)	The frequency range of the radio wave is
	1) - A- From 30 KHz to 300 KHz
	2) B- From 300 KHz to 3 MHz
	3) + C- From 30 MHz to 1 GHz
	4) - D- From 30 GHz to 300 GHz
2)	UMTS is the cellular system used in Europe.
	1) - 1G
	2) 2G
	3) + 3G
	4) - 4G
3)	A technology used in GSM cellular system is
	1) FDMA
	2) + TDMA
	3) - CDMA
	4) - OFDMA
4)	In the frequency spectrum, a frequency of is located between 10^10 and 10^11.
	1) 2 GHz
	2) + 20 GHz
	3) - 200 GHz
	4) - 2 THz
5)	Free license frequencies are 2.4GHz and 5GHz, these frequencies are also called
	1) + Wi-Fi frequencies
	2) - WiMAX frequencies
	3) - Radio Frequencies
	4) - Microwave Satellite frequencies
6)	OFDMA is the technique used in
	1) - 1G
	2) - 2G
	3) - 3G
	4) + 4G
7)	The technique used in 3G in Europe is
	1) - FDMA
	2) - OFDM
	3) - TDMA
	4) + WCDMA
8)	is a technology used for data communication in single user satellite system.
	1) - GPS
	2) + VSAT
	3) - HEO
	4) - Bulk carrier
9)	When satellite is far out into space, it takes photos. When satellite is close to earth, it transmits data. This type
	of satellite is called
	1) - LEO

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	4) + HEO
10)	Terrestrial Microwave is outdoor wireless network used in
ĺ	1) - WPAN
	2) - WLAN
	3) - WMAN
	4) + WWAN
11)	is a cellular system used in 4G.
11)	1) - GPRS
	2) - UMTS
	3) + LTE
	A) HGD.
12)	<i>'</i>
12)	HSPA+ cellular operation used in Europe has a theoretical downlink speed of
	1) - 14 Mbps
	2) - 40 Mbps
	3) + 84 Mbps
10)	4) - 128 Mbps
13)	Which one of the following technologies has a speed that can reach up to 400Mbps.
	1) - Blutooth
	2) - WiMAX
	3) - Zigbee
	4) + UWB
14)	is a type of Bluetooth modified to work with wireless sensor networks with low power
	consumption.
	1) - UWB
	2) Infrared
	3) + Zigbee
	4) - FSO
15)	LoRa is a new wireless technology used in which can transmit data up to 1Km.
	1) - WiMAX
	2) Wi-Fi
	3) + IoT
	4) - LTE
16)	A wireless technique transmits data only with line-of-sight is
	1) - Wi-Fi
	2) - UWB
	3) + FSO
	4) - Bluetooth
17)	NFC is a wireless technique that is mainly used in .
	1) + WPAN
	2) - WLAN
	3) - WMAN
	4) - WWAN
18)	is a technique used to transmit data in 3.5G.
- /	1) - GPRS
	2) - UMTS
	3) - LTE
	4) + HSPA
19)	The wireless technique used for transmitting data for very close distance or device touching is called
,	1) - mmWave
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	2)	_ RFID		
	3) +	NFC		
	4) -	FSO		
20)	Zigbee distance can reach up to			
	1) +	10 m		
	2) -	30 m		
	3) -	100 m		
	4) -	1000 m		
21)	One of	the WLAN standards, capable of transmitting data at 54 Mbps using 2.4 GHz frequency range, for 30		
	m max	imum coverage radius is		
	1) -	Wi-Fi (IEEE 802.11n)		
	2)	Wi-Fi (IEEE 802.11b)		
	,	Wi-Fi (IEEE 802.11a)		
	4) -	Wi-Fi (IEEE 802.11g)		
22)	A wire	less technique transmits data without needing to be line-of-sight is		
	1) +	UWB		
	2) -	FSO		
	3) -	Terrestrial Microwave		
	4) -	Infrared		
23)		requency spectrum, Laser frequency (428 THz) is roughly located between		
		1013 and 1014		
	/	1014 and 1015		
		1015 and 1016		
	4) -	1016 and 1017		
24)		ndwidth of technology is 80MHz.		
	,	Zigbee		
	2) -	UWB		
	3) -	NFC		
	4) -	WiMAX		
25)	The meaning of "Autonomous" in wireless networks is that			
		No server, No router, no admin		
	2) -	It is infrastructure-based		
	3) -	It is single hop		
20	4) -	It works only with high mobility		
26)		one of the following wireless networks is "Autonomous"?		
	1) -	Wi-Fi		
	2) -	WiMAX		
	3) +	MANET		
27)	4) -	LTE		
27)		one of the following networks is not an ad hoc network?		
	1) -	MANET		
	2) +	Wi-Fi		
	3) -	WSN		
20)	4) -	VANET		
28)		one of the following networks is a multihop and infrastructureless network?		
	1) -	Wi-Fi Callylor natyyork		
	2) -	Cellular network		
	3) +	WSN		

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WiMAX

4)



29)	WSN is mainly uses transmission.
	1) - Unicast
	2) - Multicast
	3) + Broadcast
	4) - Non of the above
30)	The main nodes of MANET are .
	1) + People
	2) - Sensors and actuators
	3) - Vehicles
	4) - Drones
31)	AODV routing protocol in MANET is:
,	1) + Single path and distance vector
	2) - Multipath and distance vector
	3) - Single path and link state
	4) - Multipath and link state
32)	OLSR routing protocol in MANET is:
	1) - Single path and distance vector
	2) - Multipath and distance vector
	3) + Single path and link state
	4) - Multipath and link state
33)	DSDV routing protocol in MANET is:
/	1) + Proactive and table driven
	2) - Reactive and table driven
	3) - Proactive and on-demand
	4) - Reactive and on-demand
34)	Which ad hoc routing protocol of the following is link state?
	1) - DSR
	2) - TORA
	3) + SSA
	4) - ZRP
35)	All of the following are ad hoc hybrid/clustered routing protocols except .
	1) + DSR
	2) - ZRP
	3) - CGSR
	4) - CEDAR
36)	MANET is mainly uses transmission.
/	1) + Unicast (point-to-point)
	2) - Multicast
	3) - Broadcast
	4) - None of the above
37)	Mote is the main element of WSN, it usually consists of three components. One of the following is no a mot
2,,	component.
	1) - Embedded part
	2) - Communication part
	3) + Software part
	4) - Sensing part
38)	The Internet contains people, things, data, and process is called
,	1) - IoT
	2) + IoE
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- 3) IIoT
- 4) IoMT
- 39) IoT technology is based on _____.
 - 1) sensors only
 - 2) actuators only
 - 3) + sensors and actuators
 - 4) none of the above
- 40) The main difference between sensor and actuator is that _____.
 - 1) sensor can sense and act.
 - 2) actuator can sense but cannot act
 - 3) sensor cannot sense and cannot act
 - 4) + actuator can sense and act