

CS 898T Mobile and Wireless Networks Quiz 5 - Name: _____
Spring 2004

(50 points - 2 points for each problem)

- (D) 1. Which is not the advantage of WLANs?
(A) flexibility (B) design (C) cost (D) none of the above
- (C) 2. Which is not a design goal of WLANs?
(A) global operation (B) safety and security (C) modularity (D) none of the above
- (B) 3. Which is the main disadvantage of radio transmission compared to infra red technology?
(A) cover range (B) shielding (C) transfer rate (D) none of the above
- (C) 4. Which controls media access in an infrastructure-based network?
(A) terminal (B) network interface card (C) access point (D) antenna
- (A) 5. Through what do end users access the WLAN?
(A) wireless LAN adapters (B) PDAs (C) access point (D) wireless routers
- (A) 6. In which mode do mobile terminals build the network by themselves?
(A) ad-hoc (B) point-to-point (C) WMAN (D) access point
- (C) 7. Which forms the internetworking unit to other LANs?
(A) station (B) access point (C) portal (D) none of the above
- (B) 8. Which band does ISM use?
(A) 5 GHz (B) 2.4 GHz (C) 1.8 GHz (D) 900 MHz
- (A) 9. In which layer is PLCP?
(A) physical (B) data link (C) network (D) transport
- (D) 10. What data rate doesn't 802.11g support?
(A) 11 Mbps (B) 18 Mbps (C) 24 Mbps (D) 30 Mbps
- (B) 11. What is the maximum data transfer rate of an IEEE 802.11b WLAN?
(A) 10 Mbps (B) 11 Mbps (C) 54 Mbps (D) none of the above
- (B) 12. Which standard is for IAPP?
(A) 802.11e (B) 802.11f (C) 802.11g (D) 802.11h
- (D) 13. Which defines the enhanced security mechanisms for WLAN?
(A) 802.11f (B) 802.11g (C) 802.11h (D) 802.11i
- (B) 14. Which has the shortest operation range?
(A) 802.11a (B) Bluetooth (C) 802.11g (D) DECT
- (D) 15. Which is not the scenario where WPAN or Bluetooth can be used?
(A) connection of peripheral devices (B) support of ad-hoc networking
(C) bridging of networks (D) none of the above
- (A) 16. To find new services, which protocol does Bluetooth use?
(A) SDP (B) L2CAP (C) LLC (D) none of the above
- (C) 17. How many channels does Bluetooth support?
(A) 24 (B) 78 (C) 79 (D) none of the above

- (C) 18. The two link types supported by Bluetooth are:
(A) SCO and SCO-A (B) ACL and ACL-S (C) SCO and ACL (D) none of the above
- (B) 19. Which is used to separate two Bluetooth piconets?
(A) FHSS (B) FH-CDMA (C) DSSS (E) OFDM
- (D) 20. What are multiple piconets with overlapping coverage called?
(A) multinets (B) m-piconets (C) multi-piconets (D) scatternets
- (A) 21. Which kind of the link is the SCO?
(A) point-to-point (B) point-to-multipoint (C) multipoint-to-multipoint (D) multipoint-to-point
- (D) 22. Which is not the reason why the reverse tunneling is required?
(A) firewall (B) multicast (C) TTL (D) none of the above
- (C) 23. Which is the standard for WPAN?
(A) 802.3 (B) 802.11 (C) 802.15 (D) 802.16
- (A) 24. Which is not mobile IP encapsulation?
(A) IP-on-IP (B) minimal (C) GRE (D) none of the above
- (A) 25. Which is not a mechanism for IP micro-mobility support?
(A) COA IP (B) HAWAII (C) HMIPv6 (D) none of the above