# Data Communication Internal -III

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1. Ethernet frame consists of *                                          2 points

◉ a) MAC address

○ b) IP address

○ c) Default mask

○ d) Network address

2. MAC address is of *                                                2 points

○  a)24 bits

○  b) 36 bits

○  c) 42 bits

◉  d) 48 bits

3. . A point-to-point protocol over Ethernet is a network protocol for *        2 points

◉  a)encapsulating PPP frames inside ethernet frames

○  b) encapsulating ehternet framse inside PPP frames

○  c) for security of ethernet frames

○  d) for security of PPP frames

4. Gigabit Ethernet has a data rate of _____Mbps. *              2 points

○  A) 10,000

◉  B) 1000

○  C) 100

○  D) 10

5. In Ethernet addressing, if the least significant bit of the first byte is 1, the    2 points
address is *

🔘 A) multicast

⚪ B) broadcast

⚪ C) unicast

⚪ D) none of the above

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6. The original IEEE 802.11, has a data rate of _____ Mbps. *    2 points

⚪ A) 11

⚪ B) 22

⚪ C) 6

🔘 D) 1

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7. In Ethernet addressing, if the least significant bit of the first byte is 0,    2 points
the address is *

⚪ A) broadcast

⚪ B) multicast

🔘 C) unicast

⚪ D) none of the above

8. In Bluetooth, the _____ layer is roughly equivalent to the physical layer   2 points
of the Internet model. *

○ A) baseband

◉ B) radio

○ C) L2CAP

○ D) none of the above

9. The maximum size of payload field in ethernet frame is _____ *   2 points

○ a) 1000 bytes

○ b) 1200 bytes

○ c) 1300 bytes

◉ d) 1500 bytes

10. A Bluetooth network is called a _____. *   2 points

○ A) scatternet

○ B) bluenet

◉ C) piconet

○ D) none of the above

11. A Bluetooth network consists of _____ primary device(s) and up to ____    2 points
secondary devices. *

◉ A) one; seven

◯ B) one; five

◯ C) five; three

◯ D) two; six

12. . Bluetooth is a _____ technology that connects devices (called    2 points
gadgets) in a small area. *

◯ A) VLAN

◯ B) wired LAN

◉ C) wireless LAN

◯ D) none of the above

13. In IEEE 802.11, a station with _____ mobility is either stationary (not    2 points
moving) or moving only inside a BSS. *

◯ A) ESS-transition

◉ B) no-transition

◯ C) BSS-transition

◯ D) none of the above

14. In Bluetooth, the current data rate is _____Mbps. *                    2 points

- ○ A) 11
- ○ B) 5
- ○ C) 2
- ◉ D) none of the above

15. The IEEE 802.11 wireless LANs use _____ types of frames. *                    2 points

- ○ A) five
- ○ B) six
- ○ C) four
- ◉ D) none of the above

16. In IEEE 802.11, a station with _____ mobility can move from one ESS    2 points
to another. *

- ○ A) BSS-transition
- ◉ B) ESS-transition
- ○ C) no-transition
- ○ D) none of the above

17. What is the exception in the similarities between the optical Ethernet    2 points
and the Ethernet LAN? *

( ● ) a) Physical layer

( ○ ) b) Data-link layer

( ○ ) c) Refractive index

( ○ ) d) Attenuation mechanism

18. _____ is a second-generation cellular phone system based on    2 points
CDMA and DSSS. *

( ● ) A) IS-95

( ○ ) B) D-AMPS

( ○ ) C) GSM

( ○ ) D) none of the above

19. In the third generation of cellular phones, _____ uses CDMA2000. *    2 points

( ● ) A) IMT-MC

( ○ ) B) IMT-TC

( ○ ) C) IMT-SC

( ○ ) D) IMT-DS

20. . In _____, auto negotiation allows two devices to negotiate the    2 points
mode or data rate of operation. *

○ A) Ten-Gigabit Ethernet

○ B) Gigabit Ethernet

● C) Fast Ethernet

○ D) Standard

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