

# Grade Book Detail

钟子鹏,

## Quiz 1

Started: December 10, 2019, 11:02 am

Last change: December 17, 2019, 10:43 pm

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Which of the following description about OSI layers is incorrect?

- ☐ The physical layer is concerned with transmitting raw bits over a communication channel
- ☒ The data link layer is a true end-to-end layer, all the way from the source to the destination
- ☐ The network layer controls the operation of the subnet and determines how packets are routed from source to destination
- ☐ The application layer contains a variety of protocols that are commonly needed by users

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Question 1: 10 out of 10 in 1 attempt(s)

Connectionless Services is also called

- ☐ virtual circuit service
- ☐ acknowledged datagram service
- ☐ client-server service
- ☒ datagram service

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Question 2: 10 out of 10 in 1 attempt(s)

**Q.** Television channels are 8 MHz wide. How many bits/sec can be sent if 32-level digital signals are used? Assume a noiseless channel.

**A.** 80 \_\_\_\_\_ Mbps

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Question 3: 10 out of 10 in 1 attempt(s)

A noiseless 2-k Hz channel is sampled every 1 msec. What is the maximum data rate?

- ☐ 1000 bps
- ☐ 2000 bps
- ☐ 4000 bps
- ☒ Can be infinite

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Question 4: 10 out of 10 in 1 attempt(s)

A CRC generator polynomial is  $G(X) = X^{16} + X^{15} + X^2 + 1$ . How many bits will the checksum be?

- ☐ 14
- ☐ 15
- ☒ 16
- ☐ 17

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Question 5: 10 out of 10 in 1 attempt(s)

Total: 50/50

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