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## CHAPTER 24

# Network Management: SNMP

### Exercises

1. The integer 1456 is  $(00\ 00\ 05\ B0)_{16}$  in hexadecimal. Therefore, we have:

<b>02</b>	<b>04</b>	<b>00 00 05 B0</b>
INTEGER tag	length	value

The answer is then: **02 04 00 00 05 B0**.

3. The following shows the three fields (without the value). Note that the length of the length field is 10000010, which is  $(82)_{16}$ .

<b>04</b>	<b>82</b>	<b>03 E8</b>
OCTET STRING tag	length of the length field	length (1000 bytes)

The answer is then: **04 82 03 E8 (Plus 1000 bytes of characters)**

5.

<b>30 15</b>	sequence, length
<b>43 04 00 00 2E E0</b>	TIME TICK, length, value (1200)
<b>02 04 00 00 38 E4</b>	INTEGER, length, value (14564)
<b>06 07 01 03 06 01 02 01 07</b>	Object ID, length, value (1.3.6.2.1.7)

7.

<b>30 43</b>	sequence, length
<b>30 41</b>	sequence, length
<b>02 04 00 00 09 29</b>	INTEGER, length, value (2345)
<b>04 08 43 4F 4D 50 55 54 45 52</b>	OCTET STRING, length, value (COMPUTER)
<b>41 04 00 00 01 59</b>	counter, length, value (345)
<b>30 29</b>	sequence, length
<b>02 04 00 00 04 63</b>	INTEGER, length, value (1123)
<b>04 04 44 49 53 4B</b>	OCTET STRING, length, value (DISK)
<b>41 04 00 00 05 96</b>	counter, length, value (1430)
<b>30 15</b>	sequence, length
<b>02 04 00 00 0D 80</b>	INTEGER, length, value (3456)
<b>04 07 4D 4F 4E 49 54 4F 52</b>	OCTET STRING, length, value (MONITOR)
<b>41 04 00 00 09 09</b>	counter, length, value (2313)

