

# Unit 1 Summary Form (USF)

for *optional* note-taking – print this for your use

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The use of this form is *optional*, I provide it just as a study aid. *You may find it handy to print this form and use it to take hand-written notes as you read the material in Chapter 1 of the course workbook. This form is not submitted or graded and it plays no role in determining your course grade, but completing this may help you gather and better understand the things you need to know in order to do the repeatable online learning exercises.* Using this form can also help you get the most out of CSC-200!

**NOTE: To completely fill out this form you need to have read each project in each unit even though you are required to only actually do some of them.** This is because important background information is included in each project description that is not duplicated elsewhere.

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1. Explain two **significant ways** that pictographic writing differs from alphabetic writing:

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2. When we represent characters with binary digits, what **single factor** determines **how many characters** we can represent with the coding scheme?

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3. Explain why **binary** character coding **works well** with digital information storage:

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4. Logic circuits (gates) can make elementary decisions based on binary signal values. Explain in simple terms **what a gate is** and **what it does** using the **NOR gate** on page 14 of the course workbook:

5. Using the diagram on page 15 compose a simple explanation that would tell a person how a computer records, stores, and shares information. This explanation may require several sentences referring to the diagram:

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6. Explain how tablet computers such as the iPad differ from netbook and laptop computers, and indicate your personal opinion on which type of computer you would choose to be given to you as a gift and why:

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7. Identify and briefly describe three types of digital memory in current use and what each type of memory is most useful for:

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8. Explain **what a ".csv" file contains** and what the **primary purpose** of this type of file is: