

204100 Midterm Review

Prakarn Unachak

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Midterm Exam

- When?
 - Wednesday, March 2nd, 2016
 - 12.00pm – 2.00pm
 - Must be at the exam room by 12:15 pm
- Where?
 - RB5 Building
 - RB 5210
- Exam will be in English.
 - Multiple choices

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What You Can/Cannot Bring

- | | |
|------------------------|--|
| • Can/ Should bring | • CANNOT bring |
| • Pen | • Bags |
| • One paper dictionary | • Electronics |
| • ID Card | • Notes |
| | • You can leave them in front of the exam room |

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Assignments

- Assignments issued before midterm exam must be submitted and accepted (PASS/PASS(LATE)) before midnight of March 1st.

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Computer Systems (1)

- Category of Computers
 - Classified by Data Handling
 - Analog/Digital/Hybrid
 - Classified by Work Purpose
 - General/Special Purpose
 - Classified by Capacity
 - Embedded/PC/Workstation/Mainframe/Supercomputer
 - Note usages and characteristics

Computer System (2)

- Data Representation
 - Bit/Byte
 - What data can be stored
 - Data Capacity (units)
- Components of Computer Systems
 - Hardware
 - Input/ Output/ CPU/ Storage
 - Function, Type, Categories
- Software
 - Programming Language
 - Types of Software/ What does each of them do?
- Peopleware
 - Category
 - Responsibilities

Example Question

1. Bank deposit /withdrawal system needs to process a large number of transactions at the same time reliably, which type of computer is the most suitable for this job?
 - A. Analog Computer
 - B. Mainframe
 - C. Personal Computer
 - D. Pocket Computer

Example Question (cont.)

2. A hard drive has capacity of 4 GB, how many kilobytes of data can this hard drive hold?
 - A. 4×1024 KB
 - B. 4×1024^2 KB
 - C. 4×1024^3 KB
 - D. 4×1024^4 KB

Example Question (cont.)

3. A virus scanner is a(n):
 - A. Application Software
 - B. Candy Crush
 - C. Operating System
 - D. System Software

Microsoft Windows (1)

- OS (What do they do?)
- Microsoft Windows
- Mouse Usage
 - Click/Double Click/ Drag and Drop
- Drive, Folder and Files
- Windows Explorer

Microsoft Windows (2)

- Creating, Selecting, Copying, Moving, Deleting, Restoring and Searching Folders/Files.
 - Selecting(consecutive/ non-consecutive)
 - Drag and Drop in same drive/ different drives
 - Search Filter
- File Compression
 - Compression Programs/ Extensions/ Decompression
- Keyboard Shortcuts
 - F2, F3, Ctrl + C/X/V

Example Question

1. What is the keyboard shortcut for paste?
 - A. Ctrl-C
 - B. Ctrl-K
 - C. Ctrl-U
 - D. Ctrl-V

Example Question (cont.)

2. Which of the following is **NOT** correct about file compression?
- You can only compress one file at a time.
 - Compressed file can be in .zip, .7z, .rar, or other extension, depend on the compression program used.
 - Microsoft Windows 2007 has a built-in compression software.
 - Compressed file needed to be decompressed (unzipped) before it can be used.

Microsoft PowerPoint (1)

- Getting Start and Home Tab
 - Screen Layout
- Creating new **Presentation**
 - Blank/ Templates/ Themes
- Views
 - Normal/ Slide Sorter/ Slide Show/ Note Page/ Slide Master
- Open/Close/Save
- Formatting (Home→Paragraph)
 - Fonts/Size/Color
 - Alignment
 - Indentation
 - Text Direction
 - Fill/ Outline/ Effect
 - Arrange

Microsoft PowerPoint (2)

- Insert Tab
 - Extra Tab(s) that appears when you select an object
 - Table
 - Picture/Clip Arts/Shape
 - Smart Art
 - Chart
 - Textbox/ Word Art/ Symbol
 - Footer/Date & Time/Slide Number
 - Hyperlink/Action
- Design Tab
 - Page Setup/ Slide Orientation
 - Theme
 - Colors/ Fonts/ Effects
 - Background
 - Solid/ Gradient/ Pattern/ Picture
- Slide Show Tab
 - Custom Slide Show
 - Hide Slide

Microsoft PowerPoint (3)

- Animations Tab
 - Slide Transition
 - Slide Animation
 - Custom Animation
 - Start/ Property/ Speed
- View Tab → Slide master
 - What happen when you make changes here
 - Slide Master
 - Slide Layout
- Finishing steps
 - Changing Slides Order
 - Note
 - Print
 - Slide/ Handout/ Note/ Outline
- Steps to Create a Presentation

Example Question

1. If you want to change the look of every slide in the presentation, which view will help you do this quickly?
 - A. Slide Show
 - B. Slide Sorter
 - C. Slide Master
 - D. Print Preview

Example Question (cont.)

2. After inserting a picture, you find that you only need to use only a part of the picture and want to cut the rest of the image. What tool can you used to do this?
 - A. Crop
 - B. Cut
 - C. Portion
 - D. There is not tool available for this

Internet

- Computer Network
 - LAN/MAN/WAN
- Internet
 - Protocol (TCP/IP)
 - IP Address vs. Domain Name vs. URL
 - Top-level Domain (TLD)/ Second-Level Domain (SLD) / Lower-Level Domain (LLD)
- Services on Internet
 - E-mail
 - FTP/Telnet
 - WWW
 - Web Browser/Server
 - Web Development
 - Searching
 - Google Image
 - Web Applications
 - Web Hosting/ ISP

Example Question

1. For domain “www.cmu.ac.th”, what does the Top-level Domain (TLD) tell you?
 - A. The website is on world wide web.
 - B. The website is an academic website.
 - C. The website is located (or at least registered) in Thailand.
 - D. The website is for Chiang Mai University.

Example Question (cont.)

2. If you want to put your website somewhere that is accessible for people on the internet, what service do you need?
 - A. Cloud Storage
 - B. ISP
 - C. FTP
 - D. Web hosting

Google Form

- What is it?
- What can it do?
- Steps in Making a Survey
 - Create → Distribute → View Responses
- Google Docs
- Google Account
- Google Drive
- Creating a Survey Form
 - Adding Questions/ Objects
 - Types of Questions
- Distributing the Survey
 - Options
 - URL/ Social Media/ E-mail
- Destination of Responses
- Viewing the Responses
 - Summary/ Spreadsheet

Computer Ethics

- Meaning
- PAPA
 - Privacy
 - Accuracy
 - Property
 - Accessibility
- Intellectual Properties
 - Creative Commons
- Laws



Computer Security

- Hackers
- Computer Attacks
 - Virus/Worm/Malware/ DoS
- Computer Crimes
 - Cyberstalking
 - Fraud/ ID Theft
 - Phishing/ Scam/ Hoax
- How to Stay Safe Online
 - Online Safety Practice
 - Password
 - Antivirus/Antispyware

Example Question

1. You get a email from your bank, telling you to click on the link and log in. Should you do it, and why?
 - A. Yes, because you can trust every e-mail sent to you.
 - B. Yes, because the email is from your bank.
 - C. No, because it might be a phishing attack.
 - D. None of the above answers are correct.

Web Authoring

- Anatomy of a Website
 - Domain Name
 - Website/ Web Page/ Home page
 - Site Map
- Website Design
 - Structure
 - Purpose/ Audience/ Focus/ Organization
 - Layout (header/content/footer/ menu/banner)
 - Responsive Web Design
 - Interface
 - Color
 - Font
 - Image & Multimedia
- Web Authoring Tools
- Social Media
 - FB Group/ Page/ Profile

Google Sites (1)

- What it is?
- What can it do?
- Google Sites Program Policy
- Getting Start
- Creating a Site
- URL Naming Restriction
- Creating a Page
 - Templates
 - Announcement/ File Cabinet/ List Page/ Web Page
- Editing a Page
 - Insert/ Format/ Table/ Layout/ Help
 - Insert
 - Picture/ ToC/ YouTube Clip/ Map/ etc.
 - Format
 - Table
 - Layout

Google Sites (2)

- Background
- Sharing the Site
- Setting Permission
- Deleting a Page/ Site