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# INFORMATION TECHNOLOGY CA-IPCC



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# INFORMATION TECHNOLOGY

WITH MNEMONIC

BY

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## HOW TO STUDY THESE NOTES

Refer these notes with Study Material. Revise at least 5 times before exam its take 1-2 hour maximum and very helpful for points only. So very helpful to get good marks. Large no of **MNEMONIC CODE** is given in RIGHT SIDE which are Highlighted in YELLOW **COLOUR** and which are very helpful for remembering points.

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## Chapter: 1

# Introduction to Computers

### ADVANTAGES OF COMPUTER SYSTEM:

A VERSATILE DPS in NCR

A: Accuracy

VERSATILE: Versatile

D: Diligence

P: Precision

S: Speed Storage

N: No feeling

C: Consistency

C: Communication

R: Reliability

### LIMITATION OF COMPUTER SYSTEM

CP END

C: Curtail Human Capabilities

P: Programmed by human

E: Emotion less

N: No Intelligence

D: Decision Making Power Not Available

**VARIOUS TYPES OF COMPUTER TERMINAL**

**KRISH**

**K:** keyboard printer terminal

**R:** remote job terminal

**I:** intelligent terminal

**S:** smart terminal

**H:** Hard wired terminal

**STEPS TO DOCUMENT IMAGING**

**DC AT ISRO**

**D.C.** Data Capture

**I:** Indexing

**S:** Storages

**R:** Retrieval

**O:** Output

**ADVANTAGES OF IMAGE PROCESSING:**

**A.C.S.**

**A:** Accessibility

**A:** Accuracy

**C:** Capacity

**C:** Cost

**S:** Security

**VARIOUS TYPES OF SOFTWARE:**

**GAS**

**G:** General purpose software

**A:** Application software

**S:** System software

**COMPONENT OF DSS:**

**PM** at **DU**

**P:** Planning language

**M:** Model base

**D:** Database

**U:** User

**COMPONENT OF EXPERTS SYSTEM:**

**IN U.K. EXPLANATION FACILITY**

**IN:** Inference engine

**U:** User interface

**K:** Knowledge base

**K:** Knowledge acquisition facility

**EXPLANATION FACILITY:** Explanation facility

**TYPE OF LANGUAGE TRANSLATOR:**

**I.C.A.**

**I:** Interpreters

**C:** Compiler

**A:** Assembler

**BENEFITS OF OCR (OPTICAL CHARACTER READER):**

**NEPAL**

- N:** Not very skilled is required
- E:** Eliminate the human effort of transportation
- P:** Paper work explosion can be handling
- A:** Analytical artificial intelligence
- L:** Lower cost than the key punch or the key to tape devices

**ADVANTAGES OF EXPERT SYSTEM:**

**I.P.O.**

- I:** Increase productivity
- P:** Provide a cost effective alternative to human experts
- P:** Preserve the expertise of an expert leaving the organization
- P:** Produce better quality & more consistent decisions.
- O:** Outperform a single expert because their is representative of numerous experts

**DISADVANTAGES OF EXPERT SYSTEM:**

**CDT**

- C:** Costly development
- D:** Difficult to obtain knowledge from experts who have difficulty specifying exactly how they make decisions
- D:** Designers have not been able to program what humans consider common sense into current system
- T:** Time-Consuming e.g. some large system required up to 15 years and millions of dollars to develop

**UTILITY PROGRAM:** Utility program are system programs that perform general system support tasks.

**TASK THAT ARE PERFORMED BY UTILITY PROGRAM:**

**CM AT DPS**

- C:** Checking or scanning the data-stored
- C:** Converting data from one recording medium to another
- M:** Making a copy of all information stored

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- A:** Analyzing the compare network connectivity
- T:** Tracing the operation of the program
- D:** Dumping of data disc or tape
- P:** Performing routine data management task
- P:** Providing encryption & decryption of data
- P:** Partitioning of drive into multiple logical drives, each with its own file system
- S:** Sorting & storing of data

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