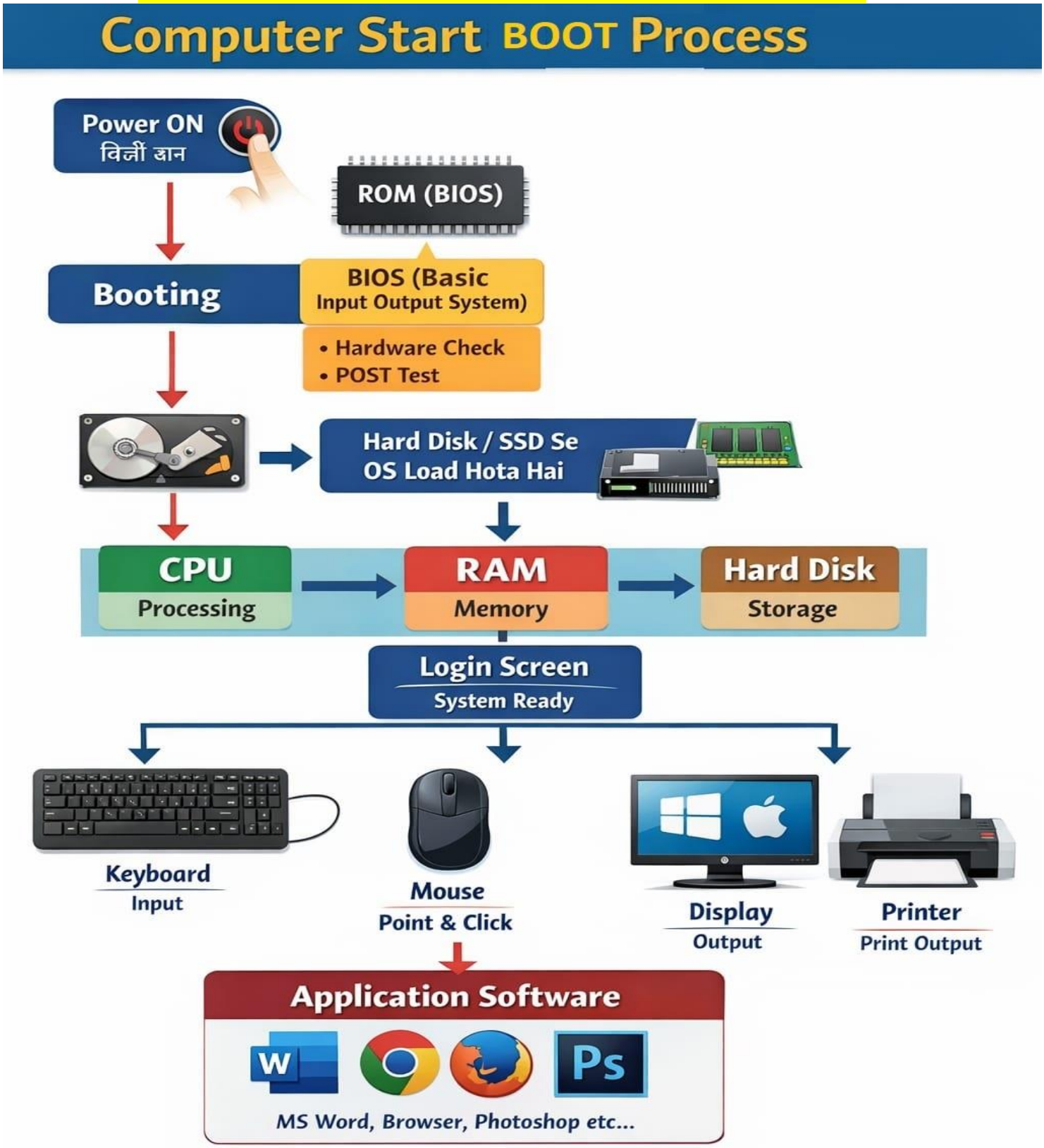
S.P.M College, Udantpuri

Bachelor Of Computer Application (BCA)

Part -1 (Paper-2)

– Hira Kumar

OPERATING SYSTEM (OS)



HIRA KUMAR

Q. What is Booting ?

➔ Booting – When computer do start/Re-start, this is called Booting.

Q. What is Boot Proess ?

→ Booting is the process of starting a computer and loading the Operating system (OS) into main memory (RAM), so that the system can begin working.

(booting एक प्रोसेस हैं जिसमें कंप्यूटर ON करते ही OS को लोड किया जाता हैं ताकि user, एप्लीकेशन software के माध्यम से कंप्यूटर HARWARE से अच्छे तरह से कम्यूनिकेट/CONNET हो सके |)

❖ Process Steps

➔Power buttom ON

➔SMPS

➔ POST (Internal/external device check) { essential unit →cpu + RAM + mother board} {Error – beep sound}

➔ BIOS/Firmware{store in ROM} (check /search करता हैं की OS कहाँ हैं - hard disk, pen drive, CD)

➔ Bootstrap loader – start/load OS

➔ Kernal – all essential system file load in RAM
➔ RAM
➔ login page
➔ application software ready to run
➔ window open / home page

ये सारे प्रोसेस को ही **boot process** कहते हैं |

❖ Booting Type – two type

i) Cold Booting – When PC 1st Time Start
ii) Warm booting – When PC Re-start.

❖ BIOS = Basic Input Output System

- BIOS एक तरह का firmware प्रोग्राम/program हैं
- 8 pin /32 pin,…
- Hardware चेक करना (POST - power ON self test)
- Internal/external/storage evice चेक करना
- Boot process करना
- OS को RAM में लोड करना |

==========**HIRA KUMAR**==========

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