# **Topics covered in previous batch interview**

1.motherboard form-factor

2.what is validation and benchmarking

3.PCI and PCIe difference.

4.PCI enumeration

5.PCI devices

6.what are Ports you can see on the mother board?

7.what PCI 1x 4x 8x refers to

8. can you use PCIe 4x card in 8x slot

9.what are the USB descriptor

10. Types of data transfer in USB

11.Speed of USB 3.0

12.Explain about thunderbolt

13.what are the new storage devices

14.Difference between Legacy-BIOS and UEFI-BIOS

15.BSOD practical

16.Windbg debugging practical

17.types of RAM

18.communication protocol (i2c SPI UART)

19.What is Jtag and Why it is used?

20.What you have done with R/W everything tool can you name some of the tabs on that tool

21.explain UEFI boot flow

22.Explain Sleep states

23.explain C-states

24.explain memory hierarchy

25.explain address space

26.explain ACPI

27.what is windows registry

28.what are the different post codes you have seen

29.explain How do you recover MBR?

30.what is WDK

31.what are the WDK tools you used

32.what is HLK

33.difference b/w CPU and GPU

34.which is the latest intel processor and what is the architecture name

35.what is tick-tock

# **Additional question**

1.PCH and ICH

2.difference between 32 and 64 bit.

3.what is virtual memory?

3.Explain Thermal zone and battery management in ACPI

4.what are P-states and G-state

5.explain the way to generate BSOD manually and how to analyze

6.Expalin MBR and VBR

7.explain USB enumeration

8.what are runtime and boot services?

9.explain dual channel memory?

10.expalin DIMM and SDRAM?

11.what is SPD

13.what are the 2 types of battery present in ACPI specification

14.what are SMI and SCI

15.explain interrupts

16.explain performance and resource monitor

17.explain User mode and Kernel mode

18.explain different types of kernel

19.explain internal and external graphics

20.Explain PAO

21.difference between internal and external graphics

22.what is DVI

24.what is Secure boot

25.what is WMI

26.what is machine pool in HLK

27.what kind of test cases HLK provide to ensure the certificate

28.what is HLK playlist