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| **SESSION** | **SEPTEMBER 2022** |
| **PROGRAM** | **BCA** |
| **SEMESTER** | **I** |
| **course CODE & NAME** | **DCA-1104- Understanding PC and Troubleshooting** |

**Set-I**

**1. Explain the 8 Bit and 16 Bit Industry Standard Architecture (ISA)?**

**Ans: 8-Bit ISA**

8-bit ISA was used by PC/XT Bus. The PC/XT is commonly referred to as the XT, was IBM's successor to the original IBM PC. XT stands for extended technology. The XT was designed to serve the enhanced machine for commercial purpose.

8-Bit ISA was the original ISA found on IBM machines which was 8 bits wide indicating the

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whatsapp no 8791490301.

**2. What are the steps to identify whether to repair or replace the motherboard?**

**Ans:** Therefore, it is always better to install a new motherboard because it is readily available in the market and easy to buy. The only problem is the cost. Buying a new motherboard is several times costlier than replacing the defected part.

Since the motherboard replacement is an expensive idea. Therefore we need to verify whether

**3. Define the CPU Overclocking? Explain the overclocking requirements, potential pitfalls, overclocking the system and overclocking the Intel processors?**

**Ans:** Though the CPU and microprocessor are used synonymously, in reality CPU is a part of microprocessor. Microprocessor differs from CPU in a few characteristics like instruction set, bandwidth, and clock speed. Clock speed is the measure of number of instruction sets that the microprocessor executes in one second. Speed margining is another name for overclocking.

**Set-II**

**4. Explain the Construction of Hard drive?**

# Ans: Hard disk (hard drive) construction

Hard disks are rigid platters, composed of a substrate and a magnetic medium. The substrate – the platter’s base material – must be non-magnetic and capable of being machined to a smooth finish. It is made either of aluminum alloy or a mixture of glass and ceramic. To allow data storage, both sides of each platter are coated with a magnetic medium – formerly

**5. Explain the components of Graphics, Video Cards?**

**Ans:** It will find that a standard video or graphics card is composed of several components mounted on a printed circuit board (abbreviated as PCB, which is a thin plate on which chips and other electronic components are placed) which

**6. Explain SCSI consideration.**

**Ans:** While adding or upgrading the SCSI support on your computer you must consider the four important elements. They are the SCSI peripheral, the SCSI host adapter, the SCSI cable assembly, and the SCSI software driver. If any of these elements is missing, then the installation will suffer from