**SESSION MARCH 2023**

**PROGRAM BACHELOR OF BUSINESS ADMINISTRATION (BBA)**

**SEMESTER I**

**COURSE CODE & NAME DBB1105 – COMPUTER FUNDAMENTALS**

**CREDITS 4**

**SET-I**

**1. a. Elaborate on the classifications of computers.**

**Ans: Generations of Computer**

**First Generation Computers [1942 – 1955]**

The first generation computers are vacuum tubes. These computers used vacuum tubes for circuitry and magnetic drums for memory. These computers relied on binary coded language to perform operations and were able to solve only one problem at a time. They were very large in size and Its Half solved only

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**2. Convert (1D7F)16 to an Octal system number and (5A9.63)16 to a decimal system number**

**Ans:**

**To convert (1D7F)16 to an octal system number:**

**Step 1:** Write down the hexadecimal number and separate it into groups of three digits from right to left. If there are any extra digits, add a zero to the left.

1 D 7 F

001 101 111

**3. a. Discuss the advanced formatting options available in MS Word.**

**Ans:**

**Advanced Formatting in MS word:-**

**Working with tables**

Tables consist of rows and columns. Tables can be used for many different purposes. It can be used to store data, pictures, text, etc.

**SET-II**

**4. a. Explain various design strategies for Software SystemDesign.**

**Ans: The various design strategies for Software System Design:-**

### ****Bottom-up Strategy****

This kind of system design strategy revolves around designing the subsystems and the lowest-level components (even sub-components) first. By designing these components first, the higher-level subsystems and larger components can then be built easily and more efficiently. This allows less time to be wasted in conducting recon and troubleshooting. The entire process of building the lower-level components into larger sets is continued till the entire system is one single

**5. a. Enlist the main functions of the operating system.**

**Ans:** An operating system is a software component that acts as the core of a computer system. It performs various functions and is essentially the interface that connects your computer and its

**b. Describe various components of operating systems.**

**Ans: Even though, not all systems have the same structure many modern operating systems share the same goal of supporting the following types of system components.:-**

**1.Process Management** The operating system manages many kinds of activities ranging from user programs to system programs like printer spooler, name servers, file server etc. Each of these

**6. a. Discuss the TCP/IP protocol layers with the help of a diagram.**

**Ans:**