

SHARNBASVESHWAR COLLEGE OF SCIENCE KALABURAGI

DEPARTMENT OF COMPUTER SCIENCE

CS-01: CERTIFICATE COURSE IN COMPUTER BASICS

Teaching Hours: 02 Hrs/Week

Max. Marks: 40

Unit I: Overview of computer **8**

Hrs

Introduction, functional components of a computer, evolution of computer, generation of computers (up to present generation), computer applications [educational, commercial, industrial, science and technology, communications, entertainment, multimedia applications

Unit II: Input, Output **4 Hrs**

Introduction to input devices- Keyboard, Mouse, Joystick, OMR, OCR, MICR, Barcode reader, vice input digital camera, smart card output devices – Monitors, Printers (Characteristic of each), speakers, plotters.

Unit III: Memory Devices **4**

Hrs

Memory devices - Definition, primary memory, secondary memory- magnetic floppy disk, hard disk, CD-ROM, DVD ROM, pen drives,

Unit IV: Number System **1 Hrs**

Need of binary system in computers, Binary, Octal, hexadecimal, decimal numbers, ASCII, Digital Gates- AND, OR, NOT, NAND, NOR

Unit V: Windows Operating System.**3 Hrs**

Features of windows, installation and removal of programs from desktop, date and time, display settings, background settings, screen savers, fonts, window, explorer-moving and deleting files, copying files, paint brush and calculator

CS-01: PRACTICAL - COMPUTER BASICS LAB**Teaching Hours: 01 Hrs/Week
10****Max. Marks:**

Students to perform the following practical's.

1. Setup & installing drivers of various input devices
 - a. Attaching a keyboard.
 - b. Attaching a mouse.
 - c. Connecting a joystick
 - d. Installing drivers for the various devices.

2. Setup & installing drivers of various output devices
 - a. Attaching a Monitor.
 - b. Attaching a Printer.
 - c. Analyzing various types of printers
 - d. Installing drivers for the various devices.

3. Setup & installing drivers of various Memory devices
 - a. Attaching a HDD.
 - b. Identification of primary & secondary memory
 - c. Installation of Ram
 - d. Identification of types of RAMs
 - e. Analyzing various types of storage devices
 - f. Installing drivers for the various devices.

4. Working in number system.

5. Performing various operation in operating system.