**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (UG 1st Year)**

**Session (2021-2022)**

**Class: BSc-1 Sem**   **Name of the Teacher: Ramninder Kaur**

**Subject: Computer Science Period: 1 and 3**

**Paper : Computer Fundamentals Room: CSc Lab 2**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 1-09-2021 to 04-09-2019 | Admissions (1st Counselling) |
| Week 2 | 06-09-2021 to 11-09-2021 | Admissions (2nd Counseling) |
| Week 3 | 13-09-2021 to 18-09-2021 | Computer Appreciation: Introduction to computers, characteristics of computer; History of computers; Classification of computers on size: (Micro, Mini, Mainframe and super computers), Working Principle of computers |
| Week 4 | 20-09-2021 to 25-09-2021 | Basic Computer Organization: Block diagram of computer system, Input unit, Processing Unit and Output Unit Generations. |
| Week 5 | 27-09-2021 to 01-10-2021 | Applications of computers; commonly used terms–Hardware, Software, Firmware. Description of Computer input devices: Keyboard, Mouse, joystick, Trackball, Pen, Touch screens Scanner, Digital Camera |
| Week 6 | 04-10-2021 to 09-10-2021 | Output devices: Monitors, Printers: types, mechanism and differences, Plotters as output devices. |
| Week 7 | 11-10-2021 to 16-10-2021 | Representation of information: BIT, BYTE, Memory, Memory size, Recapitulation of covered concepts. |
| Week 8 | 18-10-2021 to 19-10-2021 | Units of measurement of storage; Main memory: main memory organization, RAM, ROM, PROM, EPROM |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |  | Secondary storage devices: Sequential Access Memory, Direct Access Memory |
| Week 9 | 01-11-2021 to 06-11-2021 | Magnetic Tapes, Magnetic disks and types, Optical disks: CD, DVD |
| Week 10 | 08-11-2021 to 13-11-2021 | Memory storage devices: Flash Drive, Memory card etc. |
| Week 11 | 15-11-2021 to 20-11-2021 | System and Application software; Programming Languages: Generation of Languages; |
| Week 12 | 22-11-2021 to 27-11-2021 | Translators - Interpreters, Compilers, Assemblers and their comparison. |
| Week 13 | 29-11-2021 to 04-12-2021 | Range of Applications: Scientific, Word Processing, Spread Sheets, E-commerce, Business, Educational, Industrial, National level weather forecasting, Remote Sensing, Planning Multilingual Applications. |
| Week 14 | 06-12-2021 to 11-12-2021 | Types of Operating System; Linux/Dos/Windows. Operating Systems : Components of Operating System, Functions of Operating System |
| Week 15 | 13-12-2021 to 16-12-2021 | Computers and Communication: Single user, multi-user, workstation, and client server systems. Computer networks, Network protocols. LAN, WAN, Services offered by Internet. |
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