**Name of the Teacher: Harleen Kaur Class: B.Sc (Hons.) IT – II**

**Paper: BSIT – 303 Nomenclature: Telecommunication - I**

**Lesson Plan**

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | Telephone System: Structure of the telephone system, local loop: Transmission Impairments, Modems | **Oral Presentation** |
|  | **01-31 Aug 2017** | RS232 C&449.Multiplexing: FDM, WDM, TDM, Switching, **Circuit Switching:** Space division switch, Time division switch. | **Oral Presentation**  **Group Discussion** |
|  | **01-30 Sept 2017** | **Circuit Switching:** Crossbar switch.  **Narrow band ISDN**: ISDN Services, ISDN system architecture, ISDN interface, perspective on N-ISDN  Cellular Radio: Paging systems, Cordless telephones, | **Oral Presentation**  **Power Point Presentation by Students**  **Group Discussion** |
|  | **01-31 Oct 2017** | Analog Cellular Telephones: AMPS & its channels; Call management; security Issues, Personal Communication Services.  Cellular Radio: Paging systems, Cordless telephones, | **Oral Presentation**  **Group Discussion** |
|  | **01-13 Nov 2017** | Quality of service.  **ATM:** Design goals, Problems, Architecture, Switching, ATM layers. | **Oral Presentation**  **Group Discussion** |

**Topics of Assignments/ Class Tests to be given to the Students:**

|  |  |
| --- | --- |
| **Assignment 1** | **What do you mean by Multiplexing? Explain TDM and WDM in detail.** |
| **Assignment 2** | **Explain Space and Time Division Switch in detail.** |
| **Class Test** | **Unit -1: Telephone System and Multiplexing** |