Lesson Plan

Name of College **: Government College for Women, Shahzadpur (Ambala)**
Academic Session **: ODD Semester (2022-23)**
Class   **: B.Com**
Paper/Code   **: Computer Applications in Business BC -104**
Teacher's Name   **: Mr. Ravi Kumar Barwal**

Month	Dates	Topic to be covered	Academic/ Activity	Assignments/ Tests
September	01/09/2022-10/09/2022	Introduction to Computers: definition, components and characteristics of computers;		**Assignement-1** • Working of Computer by drawing block diagram of computer
	12/09/2022-17/09/2022	Input and output devices		
	19/09/2022-24/09/2022	memory and mass storage devices;		Test-1
	27/09/2022-30/09/2022	Introduction to modern CPU and processors		
October	01/10/2022-08/10/2022	Computer software: introduction,		**Assignement-2** • Any five Input Devices and any five output devices.
	10/10/2022-15/10/2022	Types of software: system, application and utility software;	Activity-1	
	17/10/2022-21/10/2022	Programming languages;		Test-2
	27/10/2022-31/10/2022	Introduction to operating system: types and function of operating system;		
November	01/11/2022-05/11/2022	Real-time applications;		**Assignement-3** • Operating system and its types. • Functions of Operating system
	07/11/2022-12/11/2022	Operating Systems for Tabs, mobile phones, Android, etc.;		
	14/11/2022-19/11/2022	Open source software: An overview		Test-3
	21/11/2022-26/11/2022	Application software: Spreadsheets, Word processors,		
	28/11/2022-30/11/2022	Database Management Software;	Activity-2	
December	01/12/2022-03/12/2022	Networks basic, Types of networks, topologies, media,		**Assignemnt-4** • Database management software; • Networks basic, types of networks, topologies, media
	05/12/2022-10/12/2022	Hardware and Software required for networking		
	12/12/2022-17/12/2022	REVISION		Test-4
	19/12/2022-24/12/2022	REVISION		

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Lesson Plan

Name of College   : Government College for Women, Shahzadpur (Ambala)
Academic Session   : ODD Semester (2022-23)
Class   : B.Com (Computer Applications)-Vocational
Paper/Code   : Computer Fundamentals & Logical Organizations BC (VOC) -105
Teacher's Name   : Mr. Ravi Kumar Barwal

Month	Dates	Topic to be covered	Academic/ Activity	Assignments/ Tests
September	01/09/2022-10/09/2022	Introduction to computers: definition, components and characteristics of computers		**Assignement-1** • Working of Computer by drawing block diagram of computer
	12/09/2022-17/09/2022	Input and output devices: memory and mass storage devices; memory hierarchy, RAM, ROM, EPROM, PROM and other types of memory,		
	19/09/2022-24/09/2022	Cloud memory		Test-1
	27/09/2022-30/09/2022	Logical organization of computer.		
October	01/10/2022-08/10/2022	Number systems, binary arithmetic operations.		
	10/10/2022-15/10/2022	Character codes and error detecting and correcting codes.		**Assignement-2** • Number System
	17/10/2022-21/10/2022	Boolean algebra, Boolean functions, truth tables, simplifications of Boolean functions,		
	27/10/2022-31/10/2022	Digital logic gates. combinational logic- adders subtractions, encoders, decoders,		Test-2
November	01/11/2022-05/11/2022	Multiplexors, de-multiplexors. sequential logic- flip flops, shift registers, counters, memory organization semiconductor RAMs and ROMs;	Activity-1	
	07/11/2022-12/11/2022	Machine instructions, instruction formats, addressing modes, instruction cycles;		
	14/11/2022-19/11/2022	Concept of micro-programming; I/O interface, I/O transfer - program - controlled, interrupt controlled, direct memory access.		
	21/11/2022-26/11/2022	Computer software – introduction, types of software - system, application and utility software;		**Assignement-3** • Software and its types
	28/11/2022-30/11/2022	Programming languages; introduction to operating system: types and function of operating system; real time applications;		
December	01/12/2022-03/12/2022	Operating systems for tabs, mobile phones, etc. – Android, etc;		Test-3
	05/12/2022-10/12/2022	Open source software: an overview, Linux Ubuntu; concepts of translators, linkers and loader.	Activity-2	
	12/12/2022-17/12/2022	Application software: spreadsheets, word processors, database management software;		**Assignemnt-4** • Database management software; • Networks basic, types of networks, topologies, media
	19/12/2022-24/12/2022	Networks basic, types of networks, topologies, media, hardware and software required for networking.		Test-4

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Name of College   **: Government College for Women, Shahzadpur (Ambala)**
Academic Session   **: ODD Semester (2022-23)**
Class   **: B.Com (Computer Applications)-Vocational**
Paper/Code   **: Data Structure BC (VOC) -105**
Teacher's Name   **: Mr. Ravi Kumar Barwal**

Month	Dates	Topic to be covered	Academic/ Activity	Assignments/ Tests
September	01/09/2022-10/09/2022	Data structure: linear and least structures:		**Assignement-1** • Array And Its Types
	12/09/2022-17/09/2022	Array definition, type, address calculation		
	19/09/2022-24/09/2022	Stack: push/pop algorithms, applications		**Test-1**
	27/09/2022-30/09/2022	REVISION		
October	01/10/2022-08/10/2022	Queue: INS/DEL algorithm	Activity-1	
	10/10/2022-15/10/2022	Double Queue		**Assignement-2** • Queue And Its Types
	17/10/2022-21/10/2022	Circular queue		
	27/10/2022-31/10/2022	REVISION		**Test-2**
November	01/11/2022-05/11/2022	List: single linked list, algorithm		
	07/11/2022-12/11/2022	Double linked list		
	14/11/2022-19/11/2022	Circular linked list concepts;		
	21/11/2022-26/11/2022	REVISION		**Assignment-3** • Linked List And Its Types
	28/11/2022-30/11/2022	B-Tree concept		
December	01/12/2022-03/12/2022	REVISION		**Test-3**
	05/12/2022-10/12/2022	Files: serial, sequential	Activity-2	
	12/12/2022-17/12/2022	Indexed, direct, multi-list		**Assignemnt-4** • Files And Its Types
	19/12/2022-24/12/2022	REVISION		**Test-4**

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