

LESSON PLAN FOR EVEN SEM

SESSION 2017-18

NAME OF ASSISTANT PROFESSOR : BHARTI CHAUDHARY

CLASS/SECTION : B.SC(IT HONS)VI SEM

SUBJECT : COMP. ARCH. & C++ LAB

| UNIT/PART I | TOPIC | |
|------------------------|---|---------------------------------------|
| | THEORY | PRACTICAL |
| DAY7 DATE 8-1-18 | INTRODUCTION TO PARALLEL PROCESSING & PIPELINING | VIRTUAL FUNCTION IN C++ |
| DAY8 DATE 9-1-18 | ARITHMETIC PIPELINING | PURE VIRTUAL FUNCTION |
| DAY9 DATE 10-1-18 | INSTRUCTION PIPELINING | ----- |
| DAY13 DATE 15-1-18 | INSTRUCTION PIPELINING | FUNCTION OVERRIDING |
| DAY 14 DATE 16-1-18 | RISC PIPELINE | FUNCTION OVERLOADING |
| DAY15 DATE 17-1-18 | VECTOR PROCESSING | ----- |
| DAY19 DATE 22-1-18 | HOLIDAY | |
| DAY20 DATE 23-1-18 | SPORTS DAY | |
| DAY21 DATE 24-1-18 | HOLIDAY | |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 29-1-18 | MEMORY HIERARCHY MAIN MEMORY & AUXILIARY MEMORY | UNARY OPERATOR USING FRIEND FUNCTION |
| DAY2 DATE 30-1-18 | ASSOCIATIVE MEMORY MATCH LOGIC | BINARY OPERATOR USING FRIEND FUNCTION |
| DAY3 DATE 31-1-18 | HOLIDAY | |
| DAY7 DATE 5-2-18 | READ/WRITE OPERATIONS | VIRTUAL DESTRUCTOR |
| DAY8 DATE 6-2-18 | CACHE MEMORY ASSOCIATIVE MAPPING | VIRTUAL DESTRUCTOR |
| DAY9 DATE 7-2-18 | DIRECT MAPPING SET ASSOCIATIVE MAPPING (ASSIGNMENT) | ----- |
| DAY13 DATE 12-2-18 | WRITING INTO CACHE CACHE INITIALIZATION | SINGLE INHERITANCE |
| DAY15 DATE 14-2-18 | ADDRESS MAPPING USING PAGES | ----- |
| DAY19 DATE 19-2-18 | PAGE REPLACEMENT ASSOCIATIVE MEMORY PAGE TABLE | MULTIPLE INHERITANCE |

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| DAY20 DATE 20-2-18 | MEMORY MANAGEMENT H/W | MULI LEVEL INHERITANCE |
| DAY21 DATE 21-2-18 | MEMORY PROTECTION NUMERICAL EXAMPLES | ----- |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |
| DAY2 DATE 26-2-18 | INTRODUCTION TO MULTIPROCESSORS | HYBRID INHRITANCE |
| DAY3 DATE 27-2-18 | CHARACTERISTICS OF MULTIPROCESSORS | INHERITANCE |
| DAY4 DATE 28-2-18 | HOLIDAY | |
| DAY8 DATE 5-3-18 | INTERCONNECTION STRUCTURES | FUNCTION TEMPLATES |
| DAY9 DATE 6-3-18 | TIME SHARED COMMON BUS | TEMPLATES |
| DAY10 DATE 7-3-18 | MULTIPOINT MEMORY (ASSIGNMENT) | ----- |
| DAY 14 DATE 12-3-18 | CROSSBAR SWITCH | EXCEPTION HANDLING |
| DAY15 DATE 13-3-18 | MULTISTAGE SWITCHING NETWORK | TRY MECHANISM |
| DAY16 DATE 14-3-18 | HYPERCUBE INTERCONNECTION | ----- |
| DAY20 DATE 19-3-18 | INTERCONNECTION STRUCTURES | CATCH MECHANISM |
| DAY21 DATE 20-3-18 | PERIPHERAL DEVICES | THROW MECHANISM |
| DAY22 DATE 21-3-18 | CONDITIONAL TEST | |
| DAY23 DATE 22-3-18 | CONDITIONAL TEST | |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 26-3-18 | I/O INTERFACE | TRY THROW |
| DAY2 DATE 27-3-18 | I/O V/S MEMORY BUS | TRY CATCH |
| DAY3 DATE 28-3-18 | ASYNCHRONOUS DATA TRANSFER ASYNCHRONOUS SERIAL TRANSFER | ----- |
| DAY7 DATE 2-4-18 | STROBE CONTROL HANDSHAKING | POLYMORPHISM |
| DAY8 DATE 3-4-18 | FIFO BUFFER CPU- IOP COMMUNICATION | STATIC POLYMORPHISM |
| DAY9 DATE 4-4-18 | MODES OF TRANSFER | ----- |
| DAY13 DATE 9-4-18 | DAISY CHAINING PRIORITY PARALLEL PRIORITY INTERRUPT | DYNAMIC POLYMORPHISM |
| DAY14 DATE 10-4-18 | PRIORITY ENCODER & INTERRUPT CYCLE | OVERLOADING UNARY OPERATORS |

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| DAY15 DATE 11-4-18 | S/W ROUTINES INITIAL & FINAL OPERATIONS | ----- |
| DAY19 DATE 16-4-18 | DMA CONTROLLER DMA TRANSFER | OVERLOADING BINARY OPERATORS |
| DAY20 DATE 17-4-18 | SERIAL COMMUNICATION CHARACTER ORIENTED PROTOCOL & BIT ORIENTED PROTOCOL | USING FRIEND FUNCTION |
| DAY21 DATE 18-4-18 | HOLIDAY | |
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NAME OF ASSISTANT PROFESSOR : BHARTI CHAUDHARY
CLASS/SECTION : B.SC(IT HONS) IV SEM
SUBJECT : OPERATING SYSTEM

| UNIT/PART I | TOPIC | |
|------------------------|---|----------------------------------|
| | THEORY | PRACTICAL |
| DAY4 DATE 4-1-18 | INTRO TO MEMORY LOGICAL V/S PHYSICAL ADDRESS | ADDITION OF MATRICES |
| DAY5 DATE 5-1-18 | SWAPPING CONTIGUOUS ALLOCATION | MULTIPLICATION OF MATRICES |
| DAY6 DATE 6-1-18 | PAGING | INSTALLING APPLICATION S/W |
| DAY10 DATE 11-1-18 | TRANSITION TABLE | ----- |
| DAY11 DATE 12-1-18 | TLB | ----- |
| DAY12 DATE 13-1-18 | TLB CONTD... | ----- |
| DAY16 DATE 18-1-18 | PAGING CONTD.. | TRACE & TRANSPOSE OF MATRIX |
| DAY17 DATE 19-1-18 | PAGING CONTD.. | PRINT A STRING |
| DAY18 DATE 20-1-18 | PAGING CONTD.. | INSTALLING LANGUAGES |
| DAY22 DATE 25-1-18 | SEGMENTATION | STRING FUNCTIONS |
| DAY23 DATE 26-1-18 | HOLIDAY | |
| DAY 24 DATE 27-1-18 | SEGMENTATION CONTD... | PARTITIONING DISK |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY4 DATE 1-2-18 | SEGMENTATION WITH PAGING | REVERSE A STRING |
| DAY5 DATE 2-2-18 | INTRODUCTION TO VIRTUAL MEMORY DEMAND PAGING & ITS PERFORMANCE | COUNT NO. OF VOWELS IN STRING |
| DAY6 DATE 3-2-18 | PAGE REPLACEMENT | FORMATTING DISKS |

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| DAY10 DATE 8-2-18 | PAGE REPLACEMENT ALGORITHMS | USE OF POINTERS |
| DAY11 DATE 9-2-18 | ALGO CONTD.. & ASSIGNMENT 1 | POINTER ARITHMETIC |
| DAY12 DATE 10-2-18 | HOLIDAY | |
| DAY16 DATE 15-2-18 | ALLOCATION OF FRAMES | CALL BY VALUE |
| DAY17 DATE 16-2-18 | THRASHING | CALL BY REFERENCE |
| DAY18 DATE 17-2-18 | CAUSES OF THRASHING | COMPRESSING DISK |
| DAY22 DATE 22-2-18 | CONCEPT OF FILES | USER DEFINED FUNCTIONS |
| DAY23 DATE 23-2-18 | FILE ACCESS METHOD | RECURSION |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 24-2-18 | DIRECTORY STRUCTURE | INSTALLING WINDOWS |
| DAY5 DATE 1-3-18 | HOLIDAY | |
| DAY6 DATE 2-3-18 | HOLIDAY | |
| DAY7 DATE 3-3-18 | HOLIDAY | |
| DAY11 DATE 8-3-18 | DIRECTORY STRUCTURE FILE SYSTEM STRUCTURE | CONCEPT OF FILES |
| DAY12 DATE 9-3-18 | ALLOCATION METHODS | COPYING CONTENT OF ONE FILE |
| DAY13 DATE 10-3-18 | ALLOCATION METHODS & ASSIGNMENT 2 | ASSEMBLING PC |
| DAY17 DATE 15-3-18 | FREE SPACE MANAGEMENT | COMPARE THE CONTENTS |
| DAY18 DATE 16-3-18 | DIRECTORY IMPLEMENTATION | CHECKING FILES |
| DAY19 DATE 17-3-18 | EFFICIENCY & PERFORMANCE | CREATING & SETTING CLIENT |
| DAY22 DATE 21-3-18 | CONDITIONAL TEST | |
| DAY23 DATE 22-3-18 | CONDITIONAL TEST | |
| DAY 24 DATE 23-3-18 | HOLIDAY | |
| DAY 25 DATE 24-3-18 | RECOVERY | USER PROFILES |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY4 DATE 29-3-18 | HOLIDAY | |

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| DAY5 DATE 30-3-18 | PROTECTION | COUNT NO OF CHARACTERS IN FILE |
| DAY6 DATE 31-3-18 | GOALS OF PROTECTION | RIGHTS & PERMISSIONS ON NETWORK |
| DAY10 DATE 5-4-18 | ALLOCATION METHODS DOMAIN OF PROTECTION | PRINT SERIES |
| DAY11 DATE 6-4-18 | ACCESS MATRIX IMPLEMENTATION OF ACCESS MATRIX | EVEN NO SERIES |
| DAY12 DATE 7-4-18 | SECURITY PROBLEM | CREATING GROUPS |
| DAY16 DATE 12-4-18 | AUTHENTICATION PROGRAM THREATS | ODD NO SERIES |
| DAY17 DATE 13-4-18 | SYSTEM THREATS | SQUARE SERIES |
| DAY18 DATE 14-4-18 | HOLIDAY | |
| DAY22 DATE 19-4-18 | ENCRYPTION | CUBE SERIES |
| DAY23 DATE 20-4-18 | CRYPTOGRAPHY | DELETING LOGINS & GROUPS |
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NAME OF ASSISTANT PROFESSOR :BHARTI CHAUDHARY
CLASS/SECTION : BCA-VI SEM
SUBJECT :CORE JAVA

| UNIT/PART I | TOPIC | |
|------------------------|---|-------------------------------|
| | THEORY | PRACTICAL |
| DAY5 DATE 5-1-18 | OOPS CONCEPTS | ----- |
| DAY6 DATE 6-1-18 | DIFFERENCE BETWEEN JAVA AND C++ | ----- |
| DAY7 DATE 8-1-18 | INTRODUCTION TO JAVA HISTORY &FEATURES | ----- |
| DAY8 DATE 9-1-18 | JAVA VIRTUAL MACHINE (JVM) | ----- |
| DAY9 DATE 10-1-18 | TUTORIAL | COLLECTION & ITS METHODS |
| DAY11 DATE 12-1-18 | BYTECODE JAVA RUNTIME ENVIRONMENT | ----- |
| DAY12 DATE 13-1-18 | TOKENS IDENTIFIERS KEYWORDS | ----- |
| DAY13 DATE 15-1-18 | LITERALS COMMENTS | ----- |
| DAY 14 DATE 16-1-18 | PRIMITIVE DATA TYPES OPERATORS & ASSIGNMENTS | ----- |
| DAY15 DATE 17-1-18 | TUTORIAL | LOAD & UNLOAD METHOD IN VB |

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| DAY17 DATE 19-1-18 | I/O IN JAVA BASIC I/O CLASSES | ----- |
| DAY18 DATE 20-1-18 | READING CONSOLE INPUT | ----- |
| DAY19 DATE 22-1-18 | HOLIDAY | |
| DAY20 DATE 23-1-18 | SPORTS DAY | |
| DAY21 DATE 24-1-18 | HOLIDAY | |
| DAY23 DATE 26-1-18 | HOLIDAY | |
| DAY 24 DATE 27-1-18 | CONTROL STRUCTURES IN JAVA | ----- |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 29-1-18 | DECISION AND LOOP CONTROL STATEMENTS | ----- |
| DAY2 DATE 30-1-18 | DECISION STRUCTURES | ----- |
| DAY3 DATE 31-1-18 | HOLIDAY | |
| DAY5 DATE 2-2-18 | CLASSES & OBJECTS IN JAVA (INTRO) | ----- |
| DAY6 DATE 3-2-18 | DEFINING CLASS IN JAVA | ----- |
| DAY7 DATE 5-2-18 | CREATING OBJECTS OF A CLASS DEFINING METHODS | ----- |
| DAY8 DATE 6-2-18 | ARGUMENT PASSING MECHANISM | ----- |
| DAY9 DATE 7-2-18 | TUTORIAL | MENU EDITOR |
| DAY11 DATE 9-2-18 | CLASSES EXAMPLES & ASSIGNMENT 1 | ----- |
| DAY12 DATE 10-2-18 | HOLIDAY | |
| DAY13 DATE 12-2-18 | CONSTRUCTORS | ----- |
| DAY14 DATE 13-2-18 | HOLIDAY | |
| DAY15 DATE 14-2-18 | TUTORIAL | SHOW & HIDE METHOD MENU USING MENU EDITOR |
| DAY17 DATE 16-2-18 | CONSTRUCTORS CONTD... | ----- |
| DAY18 DATE 17-2-18 | NESTED CLASS INNER CLASS | ----- |
| DAY19 DATE 19-2-18 | ABSTRACT CLASS | ----- |
| DAY20 | DEALING WITH STATIC MEMBERS | ----- |

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| DATE 20-2-18 | | |
| DAY21 DATE 21-2-18 | TUTORIAL | SHOW & HIDE METHOD MENU USING MENU EDITOR |
| DAY23 DATE 23-2-18 | DEALING WITH STATIC MEMBERS | ----- |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 24-2-18 | DEFINING ARRAY | ----- |
| DAY2 DATE 26-2-18 | INITIALIZING AND ACCESSING ARRAY | ----- |
| DAY3 DATE 27-2-18 | MULTIDIMENSIONAL ARRAY | ----- |
| DAY4 DATE 28-2-18 | HOLIDAY | |
| DAY6 DATE 2-3-18 | HOLIDAY | |
| DAY7 DATE 3-3-18 | HOLIDAY | |
| DAY8 DATE 5-3-18 | DEFINING STRING OPERATION ON ARRAY AND STRING | ----- |
| DAY9 DATE 6-3-18 | CREATING STRING USING STRING CLASS | ----- |
| DAY10 DATE 7-3-18 | TUTORIAL | SHORT KEYS IN MENU |
| DAY12 DATE 9-3-18 | CREATING STRING USING STRINGBUFFER CLASS | ----- |
| DAY13 DATE 10-3-18 | DIFFERENCE AMONG STRING & STRINGBUFFER & ASSIGNMENT 2 | ----- |
| DAY 14 DATE 12-3-18 | BASIC CONCEPT OF POLYMORPHISM TYPES OF POLYMORPHISM | ----- |
| DAY15 DATE 13-3-18 | OVERRIDING V/S OVERLOADING IMPLEMENTATION OF POLYMORPHISM | ----- |
| DAY16 DATE 14-3-18 | TUTORIAL | MANIPULATING MENUS PICTURE BOX |
| DAY18 DATE 16-3-18 | INHERITANCE & ITS BENIFITS TYPES OF INHERITANCE | ----- |
| DAY19 DATE 17-3-18 | ACCESS ATTRIBUTES INHERITING DATA MEMBERS & METHODS | ----- |
| DAY20 DATE 19-3-18 | ROLE OF CONSTRUCTORS IN INHERITANCE USE OF SUPER KEYWORD | ----- |
| DAY21 DATE 20-3-18 | CONCEPT OF PACKAGES & INTERFACES ORGANIZING CLASSES & INTERFACES IN A PACKAGE | ----- |

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| DAY22 DATE 21-3-18 | CONDITIONAL TEST | |
| DAY23 DATE 22-3-18 | CONDITIONAL TEST | |
| DAY 24 DATE 23-3-18 | HOLIDAY | |
| DAY 25 DATE 24-3-18 | DEFINING PACKAGE ADDING CLASSES FROM A PACKAGE TO YOUR PROGRAM | ----- |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 26-3-18 | IMPORT PACKAGE NAMING CONVENTION FOR PACKAGES | ----- |
| DAY2 DATE 27-3-18 | ACCESS PROTECTION IN PACKAGES STANDARD PACKAGES | ----- |
| DAY3 DATE 28-3-18 | TUTORIAL | POPUP MENU,SCROLL BAR, DAO |
| DAY5 DATE 30-3-18 | IDEA BEHIND EXCEPTION TYPES OF EXCEPTION | ----- |
| DAY6 DATE 31-3-18 | USE OF TRY, CATCH, FINALLY, THROW | ----- |
| DAY7 DATE 2-4-18 | THROWS IN EXCEPTION HANDLING | ----- |
| DAY8 DATE 3-4-18 | IN BUILT AND USER DEFINED EXCEPTIONS | ----- |
| DAY9 DATE 4-4-18 | TUTORIAL | SLIDER CONTROL,ADO |
| DAY11 DATE 6-4-18 | CHECKED AND UN-CHECKED EXCEPTIONS CATCHING MORE THAN ONE EXCEPTION | ----- |
| DAY12 DATE 7-4-18 | APPLET BASICS APPLET ARCHITECTURE | ----- |
| DAY13 DATE 9-4-18 | APPLET LIFE CYCLE | ----- |
| DAY14 DATE 10-4-18 | APPLET TAG PARAMETERS TO APPLETS | ----- |
| DAY15 DATE 11-4-18 | TUTORIAL | TREE VIEW, RDODB |
| DAY17 DATE 13-4-18 | EMBEDDING APPLETS IN WEB PAGE CREATING SIMPLE APPLETS | ----- |
| DAY18 DATE 14-4-18 | HOLIDAY | |
| DAY19 DATE 16-4-18 | DESIGNING GUI IN JAVA COMPONENTS & CONTAINERS | ----- |
| DAY21 DATE 18-4-18 | HOLIDAY | |
| DAY22 DATE 19-4-18 | AWT COMPONENTS & CONTROLS | ----- |

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| DAY23 DATE 20-4-18 | AWT CLASSES | ----- |
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NAME OF ASSISTANT PROFESSOR :BHARTI CHAUDHARY
CLASS/SECTION : B.SC.(NM) II SEM
SUBJECT :BASIC OF COMP . LAB

| UNIT/PART I | TOPIC | |
|-----------------------|-------------------------|---------------------------|
| | THEORY | PRACTICAL |
| DAY3 DATE 3-1-18 | ----- | INTERNET |
| DAY9 DATE 10-1-18 | ----- | SEARCH ENGINE |
| DAY15 DATE 17-1-18 | ----- | BROWSING INTERNET |
| DAY21 DATE 24-1-18 | HOLIDAY | |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY3 DATE 31-1-18 | HOLIDAY | |
| DAY9 DATE 7-2-18 | ----- | SEARCHING |
| DAY15 DATE 14-2-18 | ----- | CREATING E-MAIL |
| DAY21 DATE 21-2-18 | ----- | SENDING AN EMAIL |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |
| DAY4 DATE 28-2-18 | HOLIDAY | |
| DAY10 DATE 7-3-18 | ----- | SENDING ATTACHMENT |
| DAY16 DATE 14-3-18 | ----- | BROWSING SITES |
| DAY22 DATE 21-3-18 | CONDITIONAL TEST | DOWNLOADING |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY3 DATE 28-3-18 | ----- | UPLOADING |
| DAY9 DATE 4-4-18 | ----- | ACCESSING GOOGLE DRIVE |
| DAY15 DATE 11-4-18 | ----- | UPLOADING ON DRIVE |
| DAY21 DATE 18-4-18 | HOLIDAY | |
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