

# LESSON PLAN FOR EVEN SEM

## **SESSION 2017-18**

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR : DR. VISHAL VERMA**  
**CLASS/SECTION : B.SC. (HONS.) (IT)**  
**SUBJECT : PROG WITH C-II (TH)**  
**OS (PR) AND C (PR)**

<b>UNIT/PART I</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 1-1-18	THE PRE-PROCESSOR	INSTALLATION OF DOS
DAY 2 DATE 2-1-18	FILE INCLUSION DIRECTIVES	PROGRAMS BASED ON FILE INCLUSION AND MACRO SUBSTITUTION
DAY 3 DATE 3-1-18	MACRO SUBSTITUTION DIRECTIVES	PROGRAMS BASED ON FILE INCLUSION AND MACRO SUBSTITUTION
DAY 4 DATE 8-1-18	MACRO SUBSTITUTION DIRECTIVES	INSTALLATION OF DOS
DAY 5 DATE 9-1-18	COMPILER CONTROL DIRECTIVES, OTHER DIRECTIVES	PROGRAMS BASED ON MACRO SUBSTITUTION AND COMPILER CONTROL DIRECTIVES
DAY 6 DATE 10-1-18	INTRODUCTION TO STRINGS	PROGRAMS BASED ON STRING HANDLING
DAY 7 DATE 15-1-18	STRING I/O FUNCTIONS	CREATING AND SETTING CLIENT
DAY 8 DATE 16-1-18	GETS() & PUTS() FOR STRINGS	PROGRAMS BASED ON STRING HANDLING
DAY 9 DATE 17-1-18	STRING FUNCTIONS	PROGRAMS BASED ON STRING HANDLING
DAY 10 DATE 22-1-18	<b>HOLIDAY</b>	
DAY 11 DATE 23-1-18	<b>SPORTS DAY</b>	
DAY 12 DATE 24-1-18	<b>HOLIDAY</b>	
<b>UNIT/PART II</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 29-1-18	CREATING & USING FUNCTIONS IN PROGRAMS	CREATING AND SETTING CLIENT
DAY 2 DATE 30-1-18	CREATING & USING FUNCTIONS IN PROGRAMS	PROGRAMS BASED ON STRING FUNCTIONS
DAY 3 DATE 31-1-18	<b>HOLIDAY</b>	
DAY 4 DATE 5-2-18	FORMAL & ACTUAL ARGUMENTS, RETURN STATEMENT	CREATING AND SETTING UP SERVER

DAY 5 DATE 6-2-18	LOCAL & GLOBAL VARIABLES	PROGRAMS BASED ON USER DEFINED FUNCTIONS
DAY 6 DATE 7-2-18	CALL BY VALUE & CALL BY REFERENCE. <b>ASSIGNMENT 1</b>	PROGRAMS BASED ON USER DEFINED FUNCTIONS
DAY 7 DATE 12-2-18	RECURSION	CREATING AND SETTING UP SERVER
DAY 8 DATE 13-2-18	<b>HOLIDAY</b>	
DAY 9 DATE 14-2-18	PASSING ARRAYS TO FUNCTIONS	PROGRAMS BASED ON RECURSION
DAY 10 DATE 19-2-18	COMMAND LINE ARGUMENTS	CREATING USER PROFILES
DAY 11 DATE 20-2-18	PROGRAMMING EXAMPLES USING FUNCTIONS	PROGRAMS BASED ON ARRAYS AND FUNCTIONS
DAY 12 DATE 21-2-18	REVISION AND PROBLEM HANDLING	PROGRAMS BASED ON COMMAND LINE ARGUMENTS
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 26-2-18	INTRODUCTION TO POINTERS	CREATING USER PROFILES
DAY 2 DATE 27-2-18	POINTER VARIABLES, POINTER OPERATORS	PROGRAMS BASED ON POINTERS
DAY 3 DATE 28-2-18	<b>HOLIDAY</b>	
DAY 4 DATE 5-3-18	POINTER EXPRESSIONS	CREATING LOGINS
DAY 5 DATE 6-3-18	POINTERS AND ARRAYS	PROGRAMS BASED ON POINTERS AND ARRAYS
DAY 6 DATE 7-3-18	INTRODUCTION TO STRUCTURES <b>ASSIGNMENT 2</b>	PROGRAMS BASED ON STRUCTURES
DAY 7 DATE 12-3-18	ARRAY OF STRUCTURES, PASSING STRUCTURES TO FUNCTIONS	CREATING LOGINS
DAY 8 DATE 13-3-18	STRUCTURE AND POINTERS	PROGRAMS BASED ON ARRAY OF STRUCTURES, PASSING STRUCTURES TO FUNCTIONS
DAY 9 DATE 14-3-18	UNIONS	PROGRAMS BASED ON ARRAY OF STRUCTURES, PASSING STRUCTURES TO FUNCTIONS
DAY 10 DATE 19-3-18	ENUMERATED DATA TYPES, TYPEDEF	CREATING GROUPS
DAY 11 DATE 20-3-18	<b>CONDITIONAL TEST</b>	PROGRAMS BASED ON STRUCTURE AND POINTERS
DAY 12 DATE 21-3-18	<b>CONDITIONAL TEST</b>	PROGRAMS BASED ON UNION AND ENUMERATED DATA TYPES
<b>UNIT/PART IV</b>	<b>TOPIC</b>	

	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 26-3-18	STORAGE CLASSES IN C	CREATING GROUPS
DAY 2 DATE 27-3-18	TYPES OF STORAGE CLASSES	PROGRAMS BASED ON STORAGE CLASSES
DAY 3 DATE 28-3-18	INTRODUCTION OF DATA FILES IN C	PROGRAMS BASED ON I/O IN DATA FILES
DAY 4 DATE 2-4-18	OPENING AND CLOSING A DATA FILE, FILE POINTERS	ASSIGNING RIGHTS AND PERMISSIONS ON NETWORKS
DAY 5 DATE 3-4-18	READING AND WRITING TO TEXT AND BINARY FILES	PROGRAMS BASED ON I/O IN DATA FILES
DAY 6 DATE 4-4-18	READING AND WRITING TO TEXT AND BINARY FILES	PROGRAMS BASED ON I/O IN DATA FILES
DAY 7 DATE 9-4-18	CREATING AND PROCESSING DATA FILE	ASSIGNING RIGHTS AND PERMISSIONS ON NETWORKS
DAY 8 DATE 10-4-18	CREATING AND PROCESSING DATA FILE	PROGRAMS BASED ON TEXT DATA FILES
DAY 9 DATE 11-4-18	PROGRAMMING EXAMPLES USING DATA FILES	PROGRAMS BASED ON TEXT DATA FILES
DAY 10 DATE 16-4-18	REVISION AND PROBLEM HANDLING	DELETING LOGINS AND GROUPS
DAY 11 DATE 17-4-18	REVISION AND PROBLEM HANDLING	PROGRAMS BASED ON BINARY DATA FILES
DAY 12 DATE 18-4-18	<b>HOLIDAY</b>	

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR : DR. VISHAL VERMA**

**CLASS/SECTION : B.C.A.-4<sup>TH</sup> SEM.**

**SUBJECT : RDBMS (TH)**

<b>UNIT/PART I</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 1-1-18	INTRODUCTION TO RELATIONAL MODEL	_____
DAY 2 DATE 2-1-18	RELATIONAL MODEL CONCEPTS	_____
DAY 3 DATE 3-1-18	RELATIONAL MODEL CONCEPTS	_____
DAY 4 DATE 4-1-18	CODD'S RULES FOR RELATIONAL MODEL	_____
DAY 5 DATE 5-1-18	<b>TUTORIAL</b>	_____
DAY 6 DATE 8-1-18	CODD'S RULES FOR RELATIONAL MODEL	_____
DAY 7 DATE 9-1-18	RELATIONAL ALGEBRA: SET OPERATIONS	_____
DAY 8 DATE 10-1-18	RELATIONAL ALGEBRA: SELECTION AND PROJECTION	_____
DAY 9 DATE 11-1-18	RELATIONAL ALGEBRA: RENAMING, JOIN AND DIVISION	_____

DAY 10 DATE 12-1-18	<b>TUTORIAL</b>	_____
DAY 11 DATE 15-1-18	RELATIONAL CALCULUS: TUPLE RELATIONAL CALCULUS	_____
DAY 12 DATE 16-1-18	RELATIONAL CALCULUS: TUPLE RELATIONAL CALCULUS	_____
DAY 13 DATE 17-1-18	RELATIONAL CALCULUS: DOMAIN RELATIONAL CALCULUS	_____
DAY 14 DATE 18-1-18	RELATIONAL CALCULUS: DOMAIN RELATIONAL CALCULUS	_____
DAY 15 DATE 19-1-18	<b>TUTORIAL</b>	_____
DAY 16 DATE 22-1-18	<b>HOLIDAY</b>	
DAY 17 DATE 23-1-18	<b>SPORTS DAY</b>	
DAY 18 DATE 24-1-18	<b>HOLIDAY</b>	
DAY 19 DATE 25-1-18	REVISION AND PROBLEM HANDLING	_____
DAY 20 DATE 26-1-18	<b>HOLIDAY</b>	
<b>UNIT/PART II</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 29-1-18	CONCEPT OF FUNCTIONAL DEPENDENCIES	_____
DAY 2 DATE 30-1-18	TYPES OF FUNCTIONAL DEPENDENCIES: FULL, PARTIAL AND TRANSITIVE	_____
DAY 3 DATE 31-1-18	<b>HOLIDAY</b>	
DAY 4 DATE 1-2-18	DATA REDUNDANCY AND UPDATE ANOMALIES	_____
DAY 5 DATE 2-2-18	<b>TUTORIAL</b>	_____
DAY 6 DATE 5-2-18	CHARACTERISTICS OF FUNCTIONAL DEPENDENCIES AND DECOMPOSITION	_____
DAY 7 DATE 6-2-18	NORMALIZATION CONCEPTS	_____
DAY 8 DATE 7-2-18	NORMALIZATION CONCEPTS <b>ASSIGNMENT 1</b>	_____
DAY 9 DATE 8-2-18	NORMAL FORMS: 1NF	_____
DAY 10 DATE 9-2-18	<b>TUTORIAL</b>	_____
DAY 11	NORMAL FORMS: 2NF	_____

DATE 12-2-18		
DAY 12 DATE 13-2-18	<b>HOLIDAY</b>	
DAY 13 DATE 14-2-18	NORMAL FORMS: 3NF	_____
DAY 14 DATE 15-2-18	NORMAL FORMS: 3NF	_____
DAY 15 DATE 16-2-18	<b>TUTORIAL</b>	
DAY 16 DATE 19-2-18	NORMAL FORMS: BCNF	_____
DAY 17 DATE 20-2-18	NORMAL FORMS: BCNF	_____
DAY 18 DATE 21-2-18	REVISION AND PROBLEM HANDLING	_____
DAY 19 DATE 22-2-18	REVISION AND PROBLEM HANDLING	_____
DAY 20 DATE 23-2-18	<b>TUTORIAL</b>	
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 26-2-18	INTRODUCTION TO SQL	_____
DAY 2 DATE 27-2-18	DATA TYPES IN SQL	_____
DAY 3 DATE 28-2-18	<b>HOLIDAY</b>	
DAY 4 DATE 1-3-18	<b>HOLIDAY</b>	
DAY 5 DATE 2-3-18	<b>HOLIDAY</b>	
DAY 6 DATE 5-3-18	DDL: CREATE TABLE, DROP TABLE	_____
DAY 7 DATE 6-3-18	DDL: ALTER TABLE, CREATE VIEW	_____
DAY 8 DATE 7-3-18	SPECIFYING CONSTRAINTS IN SQL  <b>ASSIGNMENT 2</b>	_____
DAY 9 DATE 8-3-18	DML: INSERT COMMAND, DELETE COMMAND	_____
DAY 10 DATE 9-3-18	<b>TUTORIAL</b>	
DAY 11 DATE 12-3-18	DML: UPDATE COMMAND, SELECT COMMAND	_____
DAY 12 DATE 13-3-18	SQL OPERATORS	_____
DAY 13 DATE 14-3-18	CLAUSES IN SQL	_____
DAY 14	SIMPLE AND NESTED QUERIES	_____

DATE 15-3-18		
DAY 15 DATE 16-3-18	<b>TUTORIAL</b>	_____
DAY 16 DATE 19-3-18	AGGREGATE FUNCTIONS	_____
DAY 17 DATE 20-3-18	<b>CONDITIONAL TEST</b>	_____
DAY 18 DATE 21-3-18	<b>CONDITIONAL TEST</b>	_____
DAY 19 DATE 22-3-18	VIEWS AND INDEXES	_____
DAY 20 DATE 23-3-18	<b>HOLIDAY</b>	
<b>UNIT/PART IV</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 26-3-18	INTRODUCTION TO PL/SQL AND SQL*PLUS	_____
DAY 2 DATE 27-3-18	PL/SQL ARCHITECTURE, ADVANTAGES OF PL/SQL	_____
DAY 3 DATE 28-3-18	PL/SQL BLOCK	_____
DAY 4 DATE 29-3-18	<b>HOLIDAY</b>	
DAY 5 DATE 30-3-18	<b>TUTORIAL</b>	_____
DAY 6 DATE 2-4-18	PL/SQL EXECUTION ENVIRONMENT	_____
DAY 7 DATE 3-4-18	PL/SQL CHARACTER SET AND DATA TYPES	_____
DAY 8 DATE 4-4-18	CONTROL STRUCTURES IN PL/SQL	_____
DAY 9 DATE 5-4-18	CONTROL STRUCTURES IN PL/SQL	_____
DAY 10 DATE 6-4-18	<b>TUTORIAL</b>	_____
DAY 11 DATE 9-4-18	CONTROL STRUCTURES IN PL/SQL	_____
DAY 12 DATE 10-4-18	CURSOR IN PL/SQL	_____
DAY 13 DATE 11-4-18	CURSOR IN PL/SQL	_____
DAY 14 DATE 12-4-18	TRIGGERS IN PL/SQL	_____
DAY 15 DATE 13-4-18	<b>TUTORIAL</b>	_____
DAY 16 DATE 16-4-18	TRIGGERS IN PL/SQL	_____
DAY 17	PROGRAMMING USING PL/SQL	_____

DATE 17-4-18		
DAY 18 DATE 18-4-18	<b>HOLIDAY</b>	
DAY 19 DATE 19-4-18	REVISION AND PROBLEM HANDLING	_____
DAY 20 DATE 20-4-18	<b>TUTORIAL</b>	_____

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR : DR. VISHAL VERMA**  
**CLASS/SECTION : B.SC.-4<sup>TH</sup> SEM. (C/S)**  
**SUBJECT : C++ (PR)**

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY 1 DATE 3-1-18	_____	INTRODUCTION TO C++
DAY 2 DATE 4-1-18	_____	PROGRAMS BASED ON INLINE FUNCTIONS AND FUNCTION OVERLOADING
DAY 3 DATE 10-1-18	_____	PROGRAMS BASED ON CLASSES AND OBJECTS
DAY 4 DATE 11-1-18	_____	PROGRAMS BASED ON CLASSES AND OBJECTS
DAY 5 DATE 17-1-18	_____	PROGRAMS BASED ON PASSING OBJECTS TO FUNCTIONS
DAY 6 DATE 18-1-18	_____	PROGRAMS BASED ON RETURNING OBJECTS TO FUNCTIONS
DAY 7 DATE 24-1-18	<b>HOLIDAY</b>	
DAY 8 DATE 25-1-18	_____	PROGRAMS BASED ON STATIC DATA MEMBERS AND STATIC MEMBER FUNCTIONS
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY 1 DATE 31-1-18	<b>HOLIDAY</b>	
DAY 2 DATE 1-2-18	_____	PROGRAMS BASED ON DEFAULT AND PARAMETERIZED CONSTRUCTORS
DAY 3 DATE 7-2-18	_____	PROGRAMS BASED ON COPY CONSTRUCTORS
DAY 4 DATE 8-2-18	_____	PROGRAMS BASED ON CONSTRUCTOR OVERLOADING
DAY 5 DATE 14-2-18	_____	PROGRAMS BASED ON DESTRUCTORS
DAY 6 DATE 15-2-18	_____	PROGRAMS BASED ON UNFORMATTED AND FORMATTED I/O OPERATIONS
DAY 7 DATE 21-2-18	_____	PROGRAMS BASED ON ARRAYS
DAY 8	_____	PROGRAMS BASED ON ARRAYS

DATE 22-2-18		
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 28-2-18	<b>HOLIDAY</b>	
DAY 2 DATE 1-3-18	<b>HOLIDAY</b>	
DAY 3 DATE 7-3-18	_____	PROGRAMS BASED ON MANIPULATORS IN C++
DAY 4 DATE 8-3-18	_____	PROGRAMS BASED ON FRIEND FUNCTION AND FRIEND CLASS
DAY 5 DATE 14-3-18	_____	PROGRAMS BASED ON STRING HANDLING
DAY 6 DATE 15-3-18	_____	PROGRAMS BASED ON STRING HANDLING
DAY 7 DATE 21-3-18	_____	PROGRAMS BASED ON POINTERS
DAY 8 DATE 22-3-18	_____	PROGRAMS BASED ON NEW AND DELETE OPERATORS
<b>UNIT/PART IV</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 28-3-18	_____	PROGRAMS BASED ON UNARY OPERATOR OVERLOADING USING MEMBER FUNCTIONS
DAY 2 DATE 29-3-18	<b>HOLIDAY</b>	
DAY 3 DATE 4-4-18	_____	PROGRAMS BASED ON UNARY OPERATOR OVERLOADING USING FRIEND FUNCTIONS
DAY 4 DATE 5-4-18	_____	PROGRAMS BASED ON BINARY OPERATOR OVERLOADING USING MEMBER FUNCTIONS
DAY 5 DATE 11-4-18	_____	PROGRAMS BASED ON BINARY OPERATOR OVERLOADING USING FRIEND FUNCTIONS
DAY 6 DATE 12-4-18	_____	PROGRAMS BASED ON BINARY OPERATOR OVERLOADING USING FRIEND FUNCTIONS
DAY 7 DATE 18-4-18	<b>HOLIDAY</b>	
DAY 8 DATE 19-4-18	_____	REVISION AND PROBLEM HANDLING

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR : DR. VISHAL VERMA**  
**CLASS/SECTION : B.SC.-6<sup>TH</sup> SEM. (C/S)**  
**SUBJECT : SQL AND PL/SQL (PR)**

<b>UNIT/PART I</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1	_____	INTRODUCTION TO SQL



DATE 5-1-18		
DAY 2 DATE 6-1-18	_____	DDL COMMANDS: CREATE TABLE, DROP TABLE
DAY 3 DATE 12-1-18	_____	DDL COMMAND: ALTER TABLE
DAY 4 DATE 13-1-18	_____	SPECIFYING CONSTRAINTS IN SQL
DAY 5 DATE 19-1-18	_____	DML COMMANDS: INSERT AND DELETE
DAY 6 DATE 20-1-18	_____	DML COMMANDS: UPDATE AND SELECT
DAY 7 DATE 26-1-18	<b>HOLIDAY</b>	
DAY 8 DATE 27-1-18	_____	SQL OPERATORS
<b>UNIT/PART II</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 2-2-18	_____	CLAUSES IN SQL
DAY 2 DATE 3-2-18	_____	CLAUSES IN SQL
DAY 3 DATE 9-2-18	_____	SIMPLE AND NESTED QUERIES
DAY 4 DATE 10-2-18	<b>HOLIDAY</b>	
DAY 5 DATE 16-2-18	_____	USING AGGREGATE FUNCTIONS IN SQL
DAY 6 DATE 17-2-18	_____	REVISION AND PROBLEM HANDLING
DAY 7 DATE 23-2-18	_____	INTRODUCTION TO PL/SQL
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 24-2-18	_____	PL/SQL BLOCK AND EXECUTION ENVIRONMENT
DAY 2 DATE 2-3-18	<b>HOLIDAY</b>	
DAY 3 DATE 3-3-18	<b>HOLIDAY</b>	
DAY 4 DATE 9-3-18	_____	SIMPLE PROGRAMS IN PL/SQL
DAY 5 DATE 10-3-18	_____	PROGRAMS IN PL/SQL: USING IF STATEMENTS
DAY 6 DATE 16-3-18	_____	PROGRAMS IN PL/SQL: USING SELECT STATEMENT
DAY 7 DATE 17-3-18	_____	PROGRAMS IN PL/SQL: USING LOOP STATEMENTS
DAY 8 DATE 23-3-18	<b>HOLIDAY</b>	

DAY 9 DATE 24-3-18	_____	PROGRAMS IN PL/SQL: USING LOOP STATEMENTS
<b>UNIT/PART IV</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY 1 DATE 30-3-18	_____	CURSOR IN PL/SQL
DAY 2 DATE 31-3-18	_____	CURSOR IN PL/SQL
DAY 3 DATE 6-4-18	_____	TRIGGERS IN PL/SQL
DAY 4 DATE 7-4-18	_____	TRIGGERS IN PL/SQL
DAY 5 DATE 13-4-18	_____	REVISION AND PROBLEM HANDLING
DAY 6 DATE 14-4-18	<b>HOLIDAY</b>	
DAY 7 DATE 20-4-18	_____	REVISION AND PROBLEM HANDLING