

DON BOSCO ARTS & SCIENCE COLLEGE
(Affiliated to Kannur University)
ANGADIKADAVU, IRITTY, KANNUR



COURSE PLAN

B.Sc Maths

SEMESTER - 3

ACADEMIC YEAR 2015 – 16

SL No.	Name of Subjects	Name of the Teacher	Duty Hours Per Week	
	III Sem B.Sc (2014 - 17)			
1.	3A05 ENG - Readings in Prose and Poetry	Julie Devasia	5	
2.	3A09 MAL - Malayala Kavitha	Rejisha C K	5	
3.	3A09 HIN - Gadya Ke Vividh Roop	Rabina V	5	
4.	3B03 MAT - Elements of Mathematics I	Alen Mathew	5	
5.	3C03 STA - Standard Probability Distributions	Priyada Jose	5	
6.	3C03 CSC - Data Base Management System	Sindhu P M	5	

TIME TABLE

Day	9.50am– 10.45am	10.45am– 11.40am	11.55am– 12.50am	1.40am– 2.35am	2.35am – 3.30am
1	3C03 STA Standard Probability Distributions	3A05 ENG - Readings in Prose and Poetry	3B03 MAT - Elements of Mathematics I	3A09 MAL - Malayala Kavitha / 3A09 HIN - Gadya Ke Vividh Roop	3C03 CSC - Data Base Management System
2	3C03 STA Standard Probability Distributions	3B03 MAT - Elements of Mathematics I	3A09 MAL - Malayala Kavitha / 3A09 HIN - Gadya Ke Vividh Roop	3C03 CSC - Data Base Management System	3A05 ENG - Readings in Prose and Poetry
3	3C03 STA Standard Probability Distributions	3B03 MAT - Elements of Mathematics I	3C03 CSC - Data Base Management System	3A05 ENG - Readings in Prose and Poetry	3A09 MAL - Malayala Kavitha / 3A09 HIN - Gadya Ke Vividh Roop
4	3A09 MAL - Malayala Kavitha / 3A09 HIN - Gadya Ke Vividh Roop	3A05 ENG - Readings in Prose and Poetry	3B03 MAT - Elements of Mathematics I	3C03 STA Standard Probability Distributions	3C03 CSC - Data Base Management System
5	3C03 STA Standard Probability Distributions	3C03 CSC - Data Base Management System	3A09 MAL - Malayala Kavitha / 3A09 HIN - Gadya Ke Vividh Roop	3A05 ENG - Readings in Prose and Poetry	3B03 MAT - Elements of Mathematics I

3A05 ENG - READINGS IN PROSE & POETRY

No of Credits: 4

No of contact hours: 90

Objectives: -

- The student understands the timeless significance of good literature which transcends the limitations and peculiarities of the age it was written in.
- The student will acquire an understanding that language and literature are primary means by which culture and human values are transmitted.
- The student will understand the subtleties of literary devices and techniques in the comprehension and creation of communication.
- The student will understand the use of images and sounds to elicit the reader's emotions in both non-fiction and poetry.
- The student will learn to see writing as an act of communication which has a purpose, a context and an audience.

SYLLABUS

Module – I

Module 1 Prose (3Hours/Week)

1. Mystic Experience : Nataraja Guru
2. Sanskrit and World Literature : C Rajendran
3. I Have a Dream : Martin Luther King Jr
4. Excerpt from Biography of Ayyankali : Dasan M, Pratibha V
5. Dynamic Sport of the World : Davy A, Rocca
6. The Monster Lives :
7. The New Alexandrians : Tapscott and D. Williams

Module – II

Module 2 Poetry (2Hours/Week)

1. The World is Too Much With us : W. Wordsworth
2. Where the Mind is Without Fear : Rabindranath Tagore
3. Macavity: The Mystery Cat: T.S Eliot
4. My Grandmother's House: Kamala Das
5. The Negro Speaks of Rivers: Langston Hughes
6. We are Going: Kath Walker
7. Father Returning Home: Dilip Chitre

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	01-06-2015 To 05-06-2015	1	I Have a Dream: Martin Luther King Jr.
		2	I Have a Dream: Martin Luther King Jr.
		3	I Have a Dream: Martin Luther King Jr.
		4	Showing video of the speech I have A Dream
		5	Father Returning Home : Dilip Chitre
2	08-06-2015 To 12-06-2015		Spoken English Course
			Spoken English Course
			Spoken English Course
			Spoken English Course
3	15-06-2015 To 19-06-2015	6	Father Returning Home : Dilip Chitre
		7	Excerpt from Biography of Ayyankali : Dasan M, Pratibha V
		8	Excerpt from Biography of Ayyankali : Dasan M, Pratibha V
		9	Excerpt from Biography of Ayyankali : Dasan M, Pratibha V
		10	Excerpt from Biography of Ayyankali : Dasan M, Pratibha V
4	22-06-2015 To 26-06-2015	11	Class Test
		12	The World is Too Much With us : W. Wordsworth
		13	The World is Too Much With us : W. Wordsworth
		14	The World is Too Much With us : W. Wordsworth
		15	Seminar
5	29-06-2015 To 03-07-2015	16	We are Going : Kath Walker
		17	We are Going : Kath Walker
		18	We are Going : Kath Walker
		19	The New Alexandrians : Tapscott and D. Williams
		20	The New Alexandrians : Tapscott and D. Williams
6	06-07-2015 To 10-07-2015	21	The New Alexandrians : Tapscott and D. Williams
		22	The New Alexandrians : Tapscott and D. Williams
		23	Where the Mind is Without Fear : Rabindranath Tagore
		24	Where the Mind is Without Fear : Rabindranath Tagore
		25	Where the Mind is Without Fear : Rabindranath Tagore
7	13-07-2015 To 17-07-2015	26	Seminar
		27	Seminar
		28	My Grandmother's House : Kamala Das
		29	My Grandmother's House : Kamala Das
		30	My Grandmother's House : Kamala Das
8	20-07-2015 To 24-07-2015	31	Mystic Experience : Nataraja Guru
		32	Mystic Experience : Nataraja Guru
		33	Mystic Experience : Nataraja Guru
		34	Mystic Experience : Nataraja Guru
		35	Class Test

No of Weeks	Dates	Session	Topic
9	27-07-2015 To 31-07-2015	36	Dynamic Sport of the World : Davy A, Rocca
		37	Dynamic Sport of the World : Davy A, Rocca
		38	Dynamic Sport of the World : Davy A, Rocca
		39	Dynamic Sport of the World : Davy A, Rocca
		40	Macavity:The Mystery Cat : T.S Eliot
10	03-08-2015 To 07-08-2015	41	Macavity:The Mystery Cat : T.S Eliot
		42	Macavity:The Mystery Cat : T.S Eliot
		43	The Monster Lives :
		44	The Monster Lives :
11	10-08-2015 To 14-08-2015	45	The Monster Lives :
		46	The Monster Lives :
		47	The Monster Lives :
12	17-08-2015 To 21-08-2015		First Internal for UG/PG
			First Internal for UG/PG
			Karkidaka Vavu
			First Internal for UG/PG
			First Internal for UG/PG
13	24-08-2015 To 28-08-2015		First Internal for UG/PG
			First Internal for UG/PG
			Onam Celebration
			Holiday
			Holiday
14	31-08-2015 To 04-09-2015		Holiday
			Holiday
			Holiday
			Holiday
			Holiday
15	07-09-2015 To 11-09-2015	48	The Negro Speaks of Rivers : Langston Hughes
		49	The Negro Speaks of Rivers : Langston Hughes
		50	The Negro Speaks of Rivers : Langston Hughes
		51	The Negro Speaks of Rivers : Langston Hughes
		52	The Negro Speaks of Rivers : Langston Hughes
16	14-09-2015 To 18-09-2015	53	The Negro Speaks of Rivers : Langston Hughes
		54	Seminar
		55	Seminar
		56	Seminar
17	21-09-2015 To 25-09-2015	57	Class Test
		58	Language games
		59	Language games
		60	Language games
			Annual Retreat
18	28-09-2015 To 02-10-2015		Annual Retreat
			Annual Retreat
			Annual Retreat
			Sree Narayana Guru Samadhi - Holiday
17	21-09-2015 To 25-09-2015	61	Debate
		62	Debate
			Bakrid - Holiday
18	28-09-2015 To 02-10-2015		COMET
		63	Sanskrit and World Literature : C Rajendran
		64	Sanskrit and World Literature : C Rajendran
		65	Sanskrit and World Literature : C Rajendran

3BO3 MAT : ELEMENTS OF MATHEMATICS 1

Texts:

1. S. Lipschitz, Set Theory and Related Topics, 2nd Edition, Schaum's Series.
2. T. K. Manicavachagam Pillay and T. Natarajan, Calculus and Co-ordinate Geometry.
- 3 S. Narayanan and Mittal, A Text Book of Matrices, Revised Edition, S. Chand

SYLLABUS

Module – I

Finite and Infinite sets, Countable and uncountable sets, Cantor's theorem, Logic and Proofs (Section 1.3 and Appendix A of text 4) Arguments, Logical implications, Propositional functions, Quantifiers, Negation of quantified statements. (Sections 10.9 to 10.12 of Text 1)

Module – II

Basic concepts, Relation between roots and coefficients, Symmetric functions of roots, Sum of the powers of roots, Newton's theorem on sum of the powers of roots, Transformation of equations, Reciprocal equations, Transformation in general. (Chapters 6:Sec1 to 16 and 21 of Text 2)

Module – III

Descartes rule of signs, Multiple roots, Sturm's theorem, Cardon's method, Solution of biquadratic equation (Chapters 6: Sec 24, 26, 27, 34.1 and 35 of Text 2). Fundamental theorem of algebra (without proof), Trigonometric series. (Relevant topics in Section IIIChapter1 and Section II- Chapter 2 of Text 3)

Module – IV

Divisibility theory in the integers – the division algorithm, the greatest common divisor, the Euclidean algorithm, the Diophantine equation $ax + by = c$. Primes and their distribution, fundamental theorem of arithmetic, the sieve of Eratosthenes. The theory of congruence basic properties of congruence. (Sections 2.2, 2.3, 2.4, 2.5, 3.1, 3.2, 4.2of Text 5)

References:

1. M. Artin, Algebra, Prentice Hall, 1991.
2. I. N. Herstein, Topics in Algebra, Wiley, 2nd Edition
3. U.M. Swami and A.V.S.N. Murthi, Abstract Algebra, Pearson Education.
4. J. A. Gallian, Contemporary Abstract Algebra, Narosa Pub. House.
5. P. B. Bhattacharya, S.K. Jain and S.R. Nagpaul, Basic Abstract Algebra, 2nd Edition, Cambridge University Press.

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	01-06-2015 To 05-06-2015	01	Introduction, Meaning
		02	Finite sets and infinite sets
		03	Infinite sets (Uniqueness theorem)
		04	Set of natural numbers is infinite
		05	Set of natural numbers is infinite
2	08-06-2015 To 12-06-2015		Spoken English Course
			Spoken English Course
			Spoken English Course
			Spoken English Course
			Spoken English Course
3	15-06-2015 To 19-06-2015	06	Finite and infinite sets
		07	Finite and infinite sets
		08	Countable sets
		09	Uncountable sets
		10	Denumerable sets
4	22-06-2015 To 26-06-2015	11	Denumerable sets
		12	Problems
		13	Problems
		14	Cantor's theorem
		15	Class Test
5	29-06-2015 To 03-07-2015	16	Arguments
		17	Logical Implications
		18	Propositional functions
		19	Context and quantifiers
		20	Quantifiers
6	06-07-2015 To 10-07-2015	21	Negation of quantified statements
		22	Direct proofs
		23	Indirect proofs
		24	A theorem from Euclid's Elements
		25	Class Test
7	13-07-2015 To 17-07-2015	26	Basic concepts of algebraic equation
		27	Relation between roots and coefficients
		28	Relation between roots and coefficients
		29	Symmetric functions of roots
			Ramsan – Holiday
8	20-07-2015 To 24-07-2015	30	Problems
		31	Relation between roots and coefficients
		32	Problems
		33	Problems
		34	Problems
9	27-07-2015	35	Reciprocal equations

No of Weeks	Dates	Session	Topic
	To 31-07-2015	36	Problems
		37	Problems
		38	Problems
		39	Problems
10	03-08-2015 To 07-08-2015	40	Sum of powers of roots of an equation
		41	Newton's theorem on sum of the powers of roots
		42	Problems
		43	Transformation of equations
	10-08-2015 To 14-08-2015	44	Problems
		45	Problems
		46	Seminar
			First Internal for UG/PG
	17-08-2015 To 21-08-2015		First Internal for UG/PG
			First Internal for UG/PG
			First Internal for UG/PG
			First Internal for UG/PG
	24-08-2015 To 28-08-2015		Onam Celebration
			Holiday
			Holiday
			Holiday
	31-08-2015 To 04-09-2015		Holiday
			Holiday
			Holiday
			Holiday
14	07-09-2015 To 11-09-2015	47	Reciprocal equations
		48	Theorems
		49	Problems
		50	Problems
		51	Descarte's rule of signs
15	14-09-2015 To 18-09-2015	52	Problems
		53	Problems
		54	Multiple roots
		55	Problems
	21-09-2015 To 25-09-2015	56	Problems
		57	Problems
		58	Class Test
		59	Sturm's theorem
	21-09-2015 To 25-09-2015		Annual Retreat
			Annual Retreat
			Annual Retreat
			Annual Retreat
17	21-09-2015 To 25-09-2015		Sree Narayana Guru Samadhi – Holiday
		60	Problems
		61	Problems
			Bakrid - Holiday
			Comet /

No of Weeks	Dates	Session	Topic
18	28-09-2015 To 02-10-2015	62	Cardon,s method
		63	problems
		64	Solution of bi-quadratic equation
		65	Revision
			Gandhi Jayanthi – Holiday
19	05-10-2015 To 09-10-2015		Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG
20	12-10-2015 To 16-10-2015	66	Fundamental theorem of algebra
		67	Solution of bi-quadratic equations
		68	Problems
		69	Division algorithm
		70	The greatest common divisor
21	19-10-2015 To 23-10-2015	71	Problems
		72	Euclidean algorithm
		73	Fundamental theorem on arithmetic
			Mahanavami – Holiday
			Vijayadasami – Holiday
22	26-10-2015 To 30-10-2015	74	Problems
		75	Diophantine equation
		76	Problems
		77	Problems
		78	Congruence relation
23	02-11-2015 To 06-11-2015	79	Problems
		80	Problem
		81	Revision
		82	Revision
		83	Class Test
24	09-10-2015 To 13-10-2015	84	Previous year question paper discussion
		85	Previous year question paper discussion
		86	Previous year question paper discussion
			Study Leave
			Study Leave
25	16-11-2015 To 20-11-2015		Study Leave
			Study Leave
			Study Leave
			Study Leave
		18 - Nov	III Sem UG University Exam Begins

3C03 STA - STANDARD PROBABILITY DISTRIBUTIONS

No of Credits: 3

No of contact hours: 90

Objectives:

- i) To provide education in statistics of the highest quality at the undergraduate level and produce graduates of the caliber sought by industries and public service as well as academic teachers and researchers of the future.
- (ii) To attract outstanding students from all backgrounds.
- (iii) To provide an intellectually stimulating environment in which the students have the opportunity to develop their skills and enthusiasms to the best of their potential.
- (iv) To maintain the highest academic standards in undergraduate teaching.
- (v) To impart the skills required to gather information from resources and use them.

SYLLABUS

Module - I Mathematical Expectation –Definition and properties of mathematical expectation, addition and multiplication theorem on expectation and expectation of functions of random variables; Moments –Definition of raw and central moments, relation between raw and central moments, Expectation of bivariate random variables, conditional mean and variance, correlation coefficient between random variables; Generating functions Moment generating function, definition and properties, cumulant generating function and characteristic function.

Module – II Discrete Distributions : Definition, moments, mgf, cgf, properties and different characteristics of Discrete Uniform distribution, Bernoulli distribution, Binomial distribution, Poisson distribution and Geometric distribution

Module – III: Continuous Distributions – Definition, moments, mgf, cgf, properties and different characteristics of Uniform distribution, Normal distribution, Standard normal distribution, Exponential distribution, Gamma distribution with one and two parameters and Beta distributions I and II kind

Module – IV Tchebycheff's inequality and Law of large numbers – Tchebycheff's inequality and its applications, convergence in probability, Weak law of large numbers, Bernoulli's law of large numbers, central limit theorem (Statement only) for iid random variables

References:

S.C.Gupta &V.K.Kapoor : Fundamentals of Mathematical Statistics, Sulthan Chand & Sons
Sheldon.M.Ross: Introductory Statistics, Elsevier Academic Press

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	01-06-2015 To 05-06-2015	01	Introduction to the topic
		02	Definition of mathematical expectation
		03	Addition theorem on expectation
		04	Multiplication theorem on expectation
		05	Problems of Mathematical expectation
2	08-06-2015 To 12-06-2015		Spoken English Course
			Spoken English Course
			Spoken English Course
			Spoken English Course
			Spoken English Course
3	15-06-2015 To 19-06-2015	06	Expectation of function of random variable
		07	Problems of random variables
		08	Raw moments in expectation
		09	Central moments of expectation
		10	Relation between raw moments and central moments
4	22-06-2015 To 26-06-2015	11	Cauchy schawts inequality
		12	Problems on expectation
		13	Expectation of bivariate random variable
		14	Conditional mean and variance of expectation
		15	Problems on expectation
5	29-06-2015 To 03-07-2015	16	Correlation coefficient of expectation
		17	Problems on expectation
		18	Definition of moment generating function
		19	Properties of mgf
		20	Problems on mgf
6	06-07-2015 To 10-07-2015	21	Definition of characteristic function
		22	Properties of characteristic function
		23	Problems of characteristic function
		24	Definition of cumulant
		25	Properties on cumulant
7	13-07-2015 To 17-07-2015	26	Problems of cumulant
		27	Discrete distribution
		28	Uniform and Bernoulli distribution
		29	Binomial distribution
			Ramsan – Holiday
8	20-07-2015 To 24-07-2015	30	Moments of binomial distribution
		31	Additive property of binomial distribution
		32	Recurrence relation for central moment
		33	Recurrence relation for binomial distribution
		34	Mode of binomial distribution

No of Weeks	Dates	Session	Topic
9	27-07-2015 To 31-07-2015	35	Problems on binomial distribution
		36	Fitting of binomial distribution
		37	Problems on binomial distribution
		38	Poisson distribution
		39	Problems on binomial distribution
10	03-08-2015 To 07-08-2015	40	Poisson distribution as a limiting form of binomial distribution
		41	Additive property of Poisson distribution
		42	Recurrence relation for central moment of Poisson distribution
		43	Mode of Poisson distribution
		44	Problems of Poisson distribution
11	10-08-2015 To 14-08-2015	45	Fitting of Poisson distribution
		46	Revision
			First Internal for UG/PG
			First Internal for UG/PG
12	17-08-2015 To 21-08-2015		Karkkida Vavu –Holiday
			First Internal for UG/PG
			First Internal for UG/PG
			First Internal for UG/PG
			First Internal for UG/PG
			Onam Celebration
13	24-08-2015 To 28-08-2015		Holiday
			Holiday
			Holiday
			Holiday
			Holiday
14	31-08-2015 To 04-09-2015	47	Geometric distribution
		48	Moments of Geometric distribution
		49	Problems of Geometric distribution
		50	Lack of memory property
		51	Problem Solving
15	07-09-2015 To 11-09-2015	52	Continuous Distribution
		53	Uniform distribution
		54	Problems of uniform distribution
		55	Gamma distribution
		56	Additive property of Gamma distribution
16	14-09-2015 To 18-09-2015	57	Problem Solving
		58	Problems of Gamma distribution
		59	Exponential Distribution
			Annual Retreat
			Annual Retreat
17	21-09-2015 To		Sree Narayana Guru Samadhi – Holiday
		60	Problems of Exponential Distribution

No of Weeks	Dates	Session	Topic
	25-09-2015	61	Lack of memory property
			Bakrid - Holiday
			COMET /
18	28-09-2015 To 02-10-2015	62	Beta distribution
		63	Beta distribution first kind
		64	Beta distribution second kind
		65	Revision
			Gandhi Jayanthi – Holiday
19	05-10-2015 To 09-10-2015		Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG
20	12-10-2015 To 16-10-2015	66	Normal distribution
		67	Moments of Normal distribution
		68	MGF of Normal distribution
		69	Problem Solving
		70	Problem Solving
21	19-10-2015 To 23-10-2015	71	Mode of Normal distribution
		72	Problems of Normal distribution
		73	Problems of Normal distribution
			Mahanavami – Holiday
			Vijayadasami – Holiday
22	26-10-2015 To 30-10-2015	74	Law of large numbers
		75	Tchebycheeff's inequality
		76	Convergence in probability
		77	Bernoulli's law of large numbers
		78	Convergence in distribution
23	02-11-2015 To 06-11-2015	79	Problem Solving
		80	Central limit theorems
		81	Problem Solving
		82	Revision
		83	Revision
24	09-10-2015 To 13-10-2015	84	Class Test
		85	Previous year question paper discussion
		86	Previous year question paper discussion
			Study Leave
25	16-11-2015 To 20-11-2015		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
	Nov- 4	III Sem UG University Exam Begins	

3C03 CSC : DATABASE MANAGEMENT SYSTEM

No of Credits: 2

No of contact hours: 3

Objectives: -

- Introduce the basic concepts in DBMS.
- Skill in designing database.
- Familiarization of different DBMS models.
- Skill in writing queries using MySQL.

SYLLABUS

Module – I

Introduction – Advantages of Database systems. View of Data, data Models, data base system architecture, Field, Record, Entity, Attribute, Relation, Domain,

Module – II

Data Base Users and administrators, Constraints, Keys (Candidate, Primary, Super, Foreign), Relational Algebra – Fundamental operations, E-R Model, E-R diagrams.

Module – III

Normalization (First, Second, Third, BCNF), SQL: Introduction to SQL Tables DDL, DML, DCL, Data types.

Module – IV

Visual Basic: What is Visual Basic, Structure of a VB Application, Steps in developing Application, drawing the user interface and setting properties, setting properties of objects at design time and at runtime variables.

Module – V

VB data types, variable declaration, VB operators and functions, Branching statements if then go to, select-case, Looping statements, Do-While-Loop, Do-Loop-While, Do-Until-Loop, Do-Loop-Until, While-wend, for-next, Arrays and control arrays.

References: -

1. Data Base Concept 3rd edition Abraham Silberschatz, Henery f Korth McGraw Hill
2. A Guide to the SQL Standard, C. J. Date and Hugh Darwen, 1997, Addison-Wesley
3. Visual Basic 6, G Cornell, Tata McGraw Hill
4. An Introduction to Database Systems, C. J. Date, 1994, Addison-Wesley
5. Understanding the New SQL, Jim Melton and Alan R. Simon, 1993, Morgan Kaufmann.
6. Principles of Database & Knowledge Jeffrey D. Ullman, Computer Science Press, 1988.
7. Visual Basic 6 Programming Black Book, Steven Holzner, Dreamtech Press

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	01-06-2015 To 05-06-2015	01	Introduction, Purpose of data base system
		02	Practical
		03	Characteristics and advantages, Functions of DBMS
		04	Practical
		05	Database structure
2	08-06-2015 To 12-06-2015		Spoken English Course
			Spoken English Course
			Spoken English Course
			Spoken English Course
			Spoken English Course
3	15-06-2015 To 19-06-2015	06	Data models- Hierarchical, Network
		07	Practical
		08	Relational Data model
		09	Practical
		10	Three schema architecture
4	22-06-2015 To 26-06-2015	11	Field, Record, File
		12	Practical
		13	Entity, Attribute, Relation, Domain
		14	Practical
		15	View of data
5	29-06-2015 To 03-07-2015	16	Revision
		17	Practical
		18	Test paper for module 1
		19	Practical
		20	Keys-candidate, primary, super and foreign
6	06-07-2015 To 10-07-2015	21	Database users
		22	Practical
		23	constraints
		24	Practical
		25	Relational Algebra-Union, Intersection
7	13-07-2015 To 17-07-2015	26	Set difference, select , project
		27	Practical
		28	E-R Model, design issue
		29	Practical
			Ramsan – Holiday
8	20-07-2015 To 24-07-2015	30	E-R diagrams
		31	Practical
		32	Total and partial E-R
		33	Practical
		34	Weak entity set
9	27-07-2015 To 31-07-2015	35	Extended E-R Features
		36	Practical
		37	Revision
		38	Practical
		39	Question paper discussion
10	03-08-2015	40	Revision

No of Weeks	Dates	Session	Topic
	To 07-08-2015	41	Normalization- Functional dependencies ,1 NF
		42	2 NF ,3 NF, BCNF
		43	SQL-Introduction
		44	Seminar
11	10-08-2015 To 14-08-2015	45	Revision
		46	Revision
			First Internal for UG/PG
			First Internal for UG/PG
12	17-08-2015 To 21-08-2015		Karkkida Vavu –Holiday
			First Internal for UG/PG
			First Internal for UG/PG
			First Internal for UG/PG
13	24-08-2015 To 28-08-2015		First Internal for UG/PG
			Onam Celebration
			Holiday
			Holiday
14	31-08-2015 To 04-09-2015		Holiday
			Holiday
			Holiday
			Holiday
15	07-09-2015 To 11-09-2015	47	Data Types
		48	Practical
		49	DDL- Create, Alter command
		50	Practical
		51	DML- Insert, Update, Delete commands
16	14-09-2015 To 18-09-2015	52	DCL-Grand, Revoke
		53	Practical
		54	Revision, Test paper for module III
		55	Practical
17	21-09-2015 To 25-09-2015	56	Visual Basic, Structure of VB Application
		57	Steps in Developing application
		58	practical
		59	User inter face and setting properties
18	28-09-2015 To 02-10-2015		Annual Retreat
			Annual Retreat
			Annual Retreat
			Sree Narayana Guru Samadhi – Holiday
19	05-10-2015 To 09-10-2015	60	Setting properties of object at design time
		61	Practical
			Bakrid - Holiday
			Comet /
18	28-09-2015 To 02-10-2015	62	Setting properties of object at run time
		63	Practical
		64	Revision, Test Paper IV
		65	Practical
19	05-10-2015 To 09-10-2015		Gandhi Jayanthi – Holiday
			Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG

No of Weeks	Dates	Session	Topic
			Second Internal for UG/PG
			Second Internal for UG/PG
			Second Internal for UG/PG
20	12-10-2015 To 16-10-2015	66	Data types, Variable declaration
		67	Operators, Functions
		68	Branching statements- if
		69	Go to,select-case
		70	Loop statements- DO-While-Loop
21	19-10-2015 To 23-10-2015	71	DO-Loop-While, Do-Until-Loop
		72	Do –Loop- Until, While-Wend, For-next,
		73	Arrays and control arrays
			Mahanavami – Holiday
			Vijayadasami – Holiday
22	26-10-2015 To 30-10-2015	74	University question paper discussion
		75	University question paper discussion
		76	Seminar
		77	Seminar
		78	Class Test
23	02-11-2015 To 06-11-2015	79	Lab
		80	Lab
		81	Seminar
		82	Revision
		83	Revision
24	09-11-2015 To 13-11-2015	84	Lab
		85	Previous year question paper discussion
			Study Leave
			Study Leave
			Study Leave
25	16-11-2015 To 20-11-2015		Study Leave
			Study Leave
			Study Leave
			Study Leave
			III Sem UG University Exam Begins