

F.Y.B.Sc.(IT) Sem.II : April 2019

• Tel. :022-4232 1140 • WhatsApp : 7045 018 539



Subject	MU Exam Scheme			
	Theory	Theory Internal	Practical	Total
Object Oriented Programming (OOP)	75 Marks	25 Marks	50 Marks	150 Marks

Study Material (that will be distributed to the Students)			
Notes (in Question & Answer Format with Solved Examples)	Graded Questions (GQ)	Past Examination Questions (EQ)	MU Exam Paper Solutions (EQ Solutions)

Tentative Lesson Plan

Week	Unit No.	Topic	Weightage (Marks)	Unit for Test @ Vidyalankar	
1.	I	Introduction	--		❖ Test will be conducted on each Unit after the Unit gets over. ❖ Paper Scheme for these Unit tests ▪ Total Questions : 6 (Any 3 to be Attempted) ▪ Total Marks : 15 ▪ Total Duration: 30 minutes. ❖ Model Solutions will be distributed immediately after the exams. ❖ Needless to say, attendance for these Unit Tests is Mandatory and the Tests will be supervised by the Subject Faculty
2.		Object Oriented Methodology	15		
3.		Principles of OOPS			
4.	II	Classes and Objects	15	Unit-I	
5.		Classes and Objects			
6.		Classes and Objects			
7.		Constructors and Destructors			
8.	III	Polymorphism	15	Unit-II	
9.		Polymorphism			
10.		Virtual Function			
11.	IV	Program Development using Inheritance	15	Unit-III	
12.		Program Development using Inheritance			
13.		Program Development using Inheritance			
14.		Exception Handling			
15.	V	Templates	15		
16.		Working with Files			

Note :

- ❖ Extra Lectures, if required will be engaged and will be decided in consultation with the students.
- ❖ **Personal Doubt Solving:** Personal Doubt Solving sessions will be held after each lecture.

Tentative Schedule : Preliminary Exam and Doubt Solving Session

Exact Dates for the Prelim Exam and Paper discussion will be informed to you via SMS / WhatsApp (in the 3rd week of March)

Subject	Timing	
Object Oriented Programming	3 p.m. to 5.30 p.m.	Corrected Answer books will be distributed on the day of Paper Discussion Session
Microprocessor Architecture	3 p.m. to 5.30 p.m.	
Web Programming	3 p.m. to 5.30 p.m.	
Numerical and statistical Methods	3 p.m. to 5.30 p.m.	

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Microprocessor Architecture (μP)	75 Marks	25 Marks	50 Marks	150 Marks

Study Material (that will be distributed to the Students)			
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Tentative Lesson Plan

Week	Unit No.	Topic	Weightage (Marks)	Unit for Test @ Vidyalankar	❖ Test will be conducted on each Unit after the Unit gets over. ❖ Paper Scheme for these Unit tests ■ Total Questions : 6 (Any 3 to be Attempted) ■ Total Marks : 15 ■ Total Duration: 30 minutes. ❖ Model Solutions will be distributed immediately after the exams. ❖ Needless to say, attendance for these Unit Tests is Mandatory and the Tests will be supervised by the Subject Faculty
1.	I	Introduction	15		
2.		Microprocessor, Microcomputer and Assembly Language			
3.		Microprocessor Architecture and Microcomputer System			
4.		8085 Microprocessor Architecture and Memory Interface			
5.	II	Interfacing of I/O Devices	15	Unit - I	
6.		Introduction to 8085 Assembly Language Programming			
7.		Introduction to 8085 Instructions			
8.	III	Programming Techniques with Additional Instructions	15	Unit - II	
9.		Counters and Time Delays			
10.		Stacks and Sub-Routines			
11.	IV	Code Conversion, BCD Arithmetic and 16-Bit Data Operations	15	Unit - III	
12.		Software Development System and Assemblers			
13.		Interrupts			
14.	V	The Pentium and Pentium Pro Microprocessors	15		
15.		Core 2 and later Microprocessors SUN SPARC Microprocessors			

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Web Programming (WP)	75 Marks	25 Marks	50 Marks	150 Marks

Study Material (that will be distributed to the Students)			
Notes (in Question & Answer Format with Solved Examples)	Graded Questions (GQ)	Past Examination Questions (EQ)	MU Exam Paper Solutions (EQ Solutions)

Tentative Lesson Plan

Week	Unit No.	Topic	Weightage (Marks)	Unit for Test @ Vidyalankar	
1.	I	Introduction	-		❖ Test will be conducted on each Unit after the Unit gets over. ❖ Paper Scheme for these Unit tests ▪ Total Questions : 6 (Any 3 to be Attempted) ▪ Total Marks : 15 ▪ Total Duration: 30 minutes. ❖ Model Solutions will be distributed immediately after the exams. ❖ Needless to say, attendance for these Unit Tests is Mandatory and the Tests will be supervised by the Subject Faculty
2.		Internet and the World wide Web			
3.		HTML5	15		
4.		HTML5			
5.	II	HTML5 Page Layout and Navigations		Unit - I	
6.		HTML5 Page Layout and Navigations	15		
7.		HTML5 Tables, Forms and Media			
8.	III	Java Script, Operators, Statements		Unit -II	
9.		Core JavaScript's-Properties and methods of each	15		
10.		Document and its associated objects			
11.		Events and Event Handlers			
12.	IV	PHP		Unit - III	
13.		PHP	15		
14.	V	Advanced PHP And			
15.		My SQL	15		

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Numerical and Statistical Methods(NSM)	75 Marks	25 Marks	50 Marks	150 Marks

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Notes(in Question & Answer format with Solved Examples)	Graded Questions (GQ)	Past Exam Questions (EQ)	Past Exam Paper Solutions (EQ Solutions)
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Tentative Lesson Plan

Week	Unit No.	Topic	Weightage (Marks)	Unit for Test @ Vidyalankar
1.	III	Solutions of Simultaneous Algebraic Equations(Linear) using Iterative Methods	15	
2.		Numerical Differentiation and Integration		
3.		Numerical Solutions of 1 st and 2 nd order Differential Equations		
4.		Numerical Solutions of 1 st and 2 nd order Differential Equations		
5.	II	Solutions of Algebraic and Transcendental Equations	15	Unit -III
6.		Solutions of Algebraic and Transcendental Equations		
7.		Interpolations		
8.		Interpolations		
9.	IV	Least-Square Regression	15	Unit-II
10.		Linear Programming		
11.		Linear Programming		
12.	V	Random Variables	15	Unit-IV
13.		Distributions		
14.	VI	Mathematical Modeling and Engg. Problem Solving	15	
15.		Approximations and Round-Off Errors		
*16.	I	Mathematical Modeling and Engg. Problem Solving	15	

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- ❖ Paper Scheme for these Unit tests
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