

**M.Sc., MATHEMATICS**

(FOR THE CANDIDATES ADMITTED DURING JUNE 2015)

SEM	CODE	TITLE OF THE PAPER	CP	EX DU	MARKS		MAX
					CIA	ESE	
<b>I</b>	13PMA1C01	ALGEBRA	5	3	40	60	100
	12PMA1C02	REAL ANALYSIS	5	3	40	60	100
	12PMA1C03	ORDINARY DIFFERENTIAL EQUATIONS	5	3	40	60	100
	12PMA1E01	ELECTIVE I: NUMERICAL ANALYSIS	5	3	40	60	100
<b>II</b>	14PMA2C04	COMPLEX ANALYSIS	5	3	40	60	100
	14PMA2C05	PARTIAL DIFFERENTIAL EQUATIONS	5	3	40	60	100
	12PMA2C06	COMPUTER PROGRAMMING IN C++	5	3	40	60	100
	14PMA2C07	OPTIMIZATION TECHNIQUES	5	3	40	60	100
	12PMA2E02	ELECTIVE II: COMPUTER PROGRAMMING IN C++	5	3	40	60	100
<b>III</b>	12PMA3C08	TOPOLOGY	5	3	40	60	100
	12PMA3C09	MECHANICS	5	3	40	60	100
	12PMA3C10	MATHEMATICAL STATISTICS	5	3	40	60	100
	12PMA3C11	GRAPH THEORY	5	3	40	60	100
	12PMA3E03	ELECTIVE III: FUZZY MATHEMATICS	5	3	40	60	100
<b>IV</b>	12PMA4C12	FUNCTIONAL ANALYSIS	5	3	40	60	100
	12PMA4C13	FLUID DYNAMICS	5	3	40	60	100
	12PMA4E04	ELECTIVE IV : MATHEMATICAL METHODS	5	3	40	60	100
	12PMA4PVV	PROJECT AND VIVA-VOCE	5	3	50	50	100

CREDIT POINTS: 90

TOTAL: 1800

## **ESE - QUESTION PAPER PATTERN**

**Max: 60 marks**

**Min: 38 marks**

### **Section A (10 \* 1 = 10 marks)**

Multiple choice questions with four alternatives

10 questions (four questions from each unit)

### **Section B (5 \* 5 = 40 marks)**

Short answer questions of either or type

5 questions (one from each unit)

### **Section C (5 \* 8 = 40 marks)**

Essay type questions of either or type

5 questions (one from each unit)