Content wise 'Blue-print' Applied Maths –II (FEC201)
Max marks:80 Time:3 hrs

Topic No.	Unit No	Unit Title**	Unitwise Marks	Topicwise Marks
01	1.1	Beta & Gamma functions & DUIS	11	27
	1.2	Rectification	06	
	1.3	Exact Differential equation	10	
02	2.1	Reducible to Linear Differential equation	06	29
	2.2	Linear D.E. with constant co-efficient.	09	
	2.3	Cauchy's/Legendre's/variation of parameters	08	
	2.4	Application of D.E	06	
03	3.1	Solving D.E. by Numerical methods	14	33
	3.2	Double Integration	19	
04	4.1	Triple integration	06	31
	4.2	Application of Double integration and triple integration	14	
	4.3	Numerical Integration	11	
	Total			120

(**Unit titles are written in brief)

Blue print of question paper AM II (R 2012 syllabus)

1	a	1.1 (03 marks) Beta & Gamma functions
	b	2.2 (03 marks) Finding C.F or P.I
	c	4.3 (03 marks) Relation between Δ, ∇, E
	d	3.2 (04 marks) Change to polar co-ordinates and evaluate.
	e	1.3 (04 marks) problems on exact equations
	f	3.2 (03 marks) Evaluation of double integrals
2	a	2.1 (06 marks) Reducible to Linear differential equation
	b	3.2 (06 marks) Evaluation by Change of order of Integration
	c	1.1 (08 marks) Beta gamma function/DUIS
3	a	4.1 (06 marks) Evaluation of triple integration
	b	4.2 (06 marks) Application of double integration
	c	2.3 (08 marks) Cauchy's/ Legender homogenous equations / variation of parameter
4	a	1.2 (06 marks) Rectification
	b	2.2 (06 marks) Linear Differential Equation with constant co-efficient
	c	3.1 (08 marks) Runga Kutta method
5	a	1.3 (06 marks) Reducible to exact differential equations.
	b	3.1 (06 marks) Taylor's/euler's /euler's modified method
	c	4.3 (08 marks) Numerical integration
6	a	2.4 (06 marks) Application of differential equations
	b	3.2(06 marks) Double Integration over given region
	c	4.2 (08 marks) Application of triple integrations

Weigtagewise 'Blue-print'Applied Maths –II (FEC201)
Progr. Name and Code:FE(R 2012 syllabus), Max marks: 80
Course Name and Code:AM II and 201 Time: 3 hrs

Topic No.	**Unit No**	Wtge	Q1 Comp	Q2 Op	Q3 Op	Q4 Op	Q5 Op	Q6 Op
01	**1.1**	11	03	08				
	1.2	06				06		
	1.3	10	04				06	
02	**2.1**	06		06				
	2.2	09	03			06		
	2.3	08			08			
	2.4	06						06
03	**3.1**	14				08	06	
	3.2	19	07(3+4)	06				06
04	**4.1**	06			06			
	4.2	14			06			08
	4.3	11	03				08	
	Total	120	20	20	20	20	20	20

NOTE(1)From subtopic 4.3-on Newton's interpolation no examples are expected.
(2)Each Question of 8 marks may be converted into two questions of 4 marks each
(3) Programmable calculators are NOT allowed.