Comparison of BMATS201 Question Papers
This document compares three question papers:
1. BMATS201.pdf - Model Question Paper-I
2. BMATS201-model-set-2-paper.pdf - Model Question Paper-II
3. BMATS201-regular-paper.pdf - Regular Exam Paper

Each question is listed by number and part (a, b, c) showing differences.

QNo	Prt	Model Set 1	Model Set 2	Regular
1	a	Triple int exp	Triple int (x^2+y^2+z^2)	Same as Set2
1	b	Double int exp polar	Double int xy sqrt(x)	Same as Set2
1	c	Beta fn proof	Gamma(1/2)=sqrt(pi)	Same as Set2
2	a	Double int x/(x^2+y^2)	Double int (x^2+y^2)	Same as Set2
2	b	Ellipse quadrant area	Parabola area	Same as Set2
2	c	Code tetrahedron vol	Code ellipse area	Same as Set2
3	a	grad phi (x^3+y^3+z^3-3xyz)	Dir deriv phi	Same as Set2
3	b	div curl grad exp	div curl grad xy^3z^2	Same as Set2
3	c	Vector to cylindrical	Spherical orthogonal	Same as Set2
4	a	Dir deriv again	Angle between surfaces	Same as Set2
4	b	Spherical orthogonal	Field solenoid & irrot	Same as Set2
4	c	Code grad	Code curl	Same as Set2
5	a	Subspace x-3y+4z=0	Subspace (a,a^2,b)	Same as Set2
5	b	Matrix combo M22	Basis dim R3	Same as Set2
5	c	Matrix of T	Kernel & range T	Same as Set2
6	a	Linear dependence set	h(x) in Span{f,g}	Same as Set2
6	b	T: P2->P1 linear	T(x,y)=(3x,x+y)	Same as Set2
6	c	Rank-nullity	Orthogonal f & g	Same as Set2
7	a	NR: 3x=cosx+1	Regula-Falsi x e^x=3	Same as Set2
7	b	Lagrange interp	Newton divided diff	Same as Set2
7	c	Simpson 3/8	Trapezoidal 1/(1+x^2)	Same as Set2
8	a	False pos cubic	NR cosx=x e^x	Same as Set2
8	b	Interp y@8,22	Newton fwd sin48	Same as Set2
8	c	Trap sqrt(cosx)	Simpson 1/3	Same as Set2
9	a	Mod Euler 3x+y^2	Taylor x^2y-1	Same as Set2
9	b	RK4 x+y	RK4 3e^x+2y	Same as Set2
9	c	Milne xy+y^2	Milne x-y^2	Same as Set2
10	a	Taylor 2y+3e^x	Mod Euler x^2+y	Same as Set2
10	b	RK4 (y^2-x^2)/(y^2+x^2)	RK4 (y-x)/(y+x)	Same as Set2
10	c	Code Taylor dy/dx-2y	Code RK4 1+y/x	Same as Set2