M.Sc. Semester System (CBCS) Combination Code Sheet w.e.f. June 2011

Subject	Elective Subject SEM - I	Comb_Code
Physics	Electronics Communication	0011100
	Space Physics	0011200
	Application Of computer in Physics	0011300
Chemistry	Group Theory : Spectroscopy and Diffraction methods	0021100
	Mathematics	0021200
	Biology	0021300
Botany	Biodiversity	0031100
	Environmental Biology	0031200
	Horticulture	0031300
Zoology	Advanced animal taxonomy	0041100
	Paleo biology and Zoogeography	0041200
Microbiology	Advanced Bioinformatics	0051100
	Microbial Genomics and Proteomics	0051200
	Nanotechnology and Systems Biology	0051300
	Environmentally Sound Technologies	0051400
	Entrepreneurship and Management foe Microbiology Based Industry	0051500
	Microbiology of Extreme Environment	0051600
Mathematics	**See Special Sheet of MSC Maths Comb.Code**	
Biotechnology	Cell Biology	0071100
	Microbial Diversity	0071200
	Comp. Application	0071300
Envi. Science	Conservation Biology & Wild Life Mgt. (CBWM)	0081100
	Environmentally Sustainable Tech. (EST)	0081200
	Conservation And Restoration Of Degraded Ecosystems (CRD)	0081300
	Conservation & Mgt. Of Marine Environment (CMM)	0081400
Home Science (Hum. Dev.)	Maternal and Child nutrition	0090111
	Community Heath & care	0090112
Resource Management	Hospitality administration	0090211
	Household equipment	0090212
M.Sc. Electronics	Linear Elect. Devices & Circuit Prog. In C & C++ Analog Circuit Design Adv. Digital Electronics Concept	0101000

M.Sc. Semester System (CBCS) Combination Code Sheet w.e.f. June 2011

Subject	Elective Subject SEM - II	Comb_Code
Physics	Energy Technology And Storage Systems	0012100
	Synthesis of Materials	0012200
	Experimental Techniques	0012300
Chemistry	Spectroscopy and Diffraction methods	0022100
	Computer for Chemists	0022200
Botany	Photochemistry And Pharmacology Of Herbal Drugs	0032100
	Plant Tissue Culture	0032200
	Marine Botany	0032300
Zoology	Medical Lab technology	0042100
	Wetland ecology	0042200
Microbiology	Quality Control, Assurance and Total Quality Management	0052100
	Microbial Physiology and Biochemistry	0052200
	Medical Microbiology and Immunology	0052300
	Agriculture Microbiology	0052400
	Food And Dairy Microbiology	0052500
	Soil And Water Microbiology	0052600
Mathematics	**See Special Sheet of MSC Maths Comb.Code**	
Biotechnology	Environmental Management	0072100
	Pharmaceutical microbiology	0072200
	Comp. Application	0072300
Envi. Science	Water and Waste Water Management(WRM)	0082100
	Solid waste wastes and their management(SWM)	0082200
	Biodiversity Research, Monitoring and Management (BRM)	0082300
	Applied eco-informatics (AEI)	0082400
Home Science (Human development)	Family Studies & education	0090121
	Reproductive health care and education	0090122
Home Science (Resource development	Hospitality Administration	0090221
	Household equipments	0090222
	Electronics – Advance Digital Electronics Concept	0010000
M.Sc. Electronics		0101000

M.Sc. Semester System (CBCS) Combination Code Sheet w.e.f. June 2011

Subject	Elective Subject SEM - III	Comb_Code
Physics	Linear Ics Applications	0013100
	Pulse and Microwave electronics	0013200
	Research Methodology	0013300
Organic Chemistry	Organic Photochemistry	1023100
	Photo Inorganic Chemistry	1023200
	Biophysical Chemistry	1023300
	Environmental Chemistry	1023400
	Bio Organic Chemistry	1023500
	Research Methodology	1023600
Inorganic Chemistry	Organic Photochemistry	2023100
	Photo Inorganic Chemistry	2023200
	Biophysical Chemistry	2023300
	Environmental Chemistry	2023400
	Bio Organic Chemistry	2023500
	Research Methodology	2023600
Physical Chemistry	Organic Photochemistry	3023100
	Photo Inorganic Chemistry	3023200
	Biophysical Chemistry	3023300
	Environmental Chemistry	3023400
	Bio Organic Chemistry	3023500
	Research Methodology	3023600
Botany	Biofertilizer technology	0033100
	Air Pollution and Climate Change	0033200
	Research Methodology and Scientific Presentations	0033300
	Water Pollution	0033400
Zoology	Eco-Toxicology	0043100
	Animal Cell Science and Technology	0043200
Microbiology	Enzyme Technology	0053100
	Drug Discovery and Clinical Research	0053200
	Microbial Production of Recombinant Molecules	0053300
	Microbial Ecology	0053400
	Contemporary Microbiology	0053500
	Enterpreneurship & Mgt. for Mic.Bio.Based Industry	0053600
Mathematics	**See Special Sheet of MSC Maths Comb.Code**	

Biotechnogy	Clinical Biochemistry	0073200

M.Sc. Semester System (CBCS) Combination Code Sheet w.e.f. June 2011

	Research Methodology	0073300
	Microbial ecology	0073400
Envi. Science	Industrial Safety and Management (ISM)	0083100
	Conventional Energy and Carbon offset Management (CEC)	0083200
	Eco-tourism and Conservation (ETC)	0083300
	Environmental Communication and Conflist Resolution (ECC)	0083400
Home Science (Human development)	Parenthood education and counseling	0090131
	Women studies & child welfare	0090132
Home Science (Resource development	Professional management	0090231
	Commercial space designing	0090232
M.Sc. Electronics	Microwave Electronics, Micro-Process & Peripherols Adv. MP Communication Remote Sensing & Research Methodology	0101000

M.Sc. Semester System (CBCS) Combination Code Sheet w.e.f. June 2011

Subject	Elective Subject SEM - IV	Comb_Code
Physics	English Language Communication	0014100
	Personality Development	0014200
Chemistry	Organometallic Chemistry – (Org. Chem. Group)	0024101
	Organic Synthesis – (Org. Chem. Group)	0024201
	Organometallic Chemistry – (Inorg. Chem. Group)	0024102
	Organic Synthesis – (Inorg. Chem. Group)	0024202
	Organometallic Chemistry – (Physical Chem. Group)	0024103
	Organic Synthesis – (Physical Chem. Group)	0024203
Botany	English Language Communication	0034100
	Computer Applications	0034200
	Personality Development	0034300
	Major Dissertation	0034400
	Dissertation & Book Review	0030000
Zoology	Dissertation & Book Review	0040000
Microbiology	Soft Skill	0054100
Mathematics	**See Special Sheet of MSC Maths Comb.Code**	
Biotechnology	Dissertation Book Review	0070000
Envi. Science	----------	0080000
Home Science (Human development)	----------	0090100
Home Science (Resource development	----------	0090200

M.Sc. Semester System (CBCS) Combination Code Sheet w.e.f. June 2011

M.SC. (Maths) (CBCS Sem. System) કોમ્બીનેશન કોડ આઠ અંકનો રહેશે.

1	2	3	4	5	6	7	8
0	6	1	2	1	2	1	1
For Maths		MTHP subject		MTHE		MCB	SSB

પ્રથમ બે અંકોમાં> Mathematics માટે 06 મૂકવો.

❖ MTHP Subjects (3rd & 4th digit) & MTHE Subject (5th & 6th Digit)

- ત્રીજો અને ચોથો અંક MTHP માંથી થશે. તેથી ત્રIjો અને ચોથો અંક નીચેના વિષયમાંથી પસંદ કરવો.
- પાંચમો અને છઠો અંક MTHE માં થી થશે. તેથી પાંચમો અને છઠો અંક નીચેના વિષયમાંથી પસંદ કરવો.
- જયારે MTHE માં થી એકજ વિષય પસંદ કરવાનો હોય ત્યારે છઠો અંક Z રહશે, અને જયારે બે MTHE વિષયો પસંદ કરવાના થાય ત્યારે AB કે CD આવી રીતે બે અક્ષરો પસંદ કરવાના થશે.

ત્રીજો અને ચોથો અંક		પાંચમો અને છઠો અંક			
MTHPCODE	**MTHP Subject**	**MTHE_ Code**	**MTHE Subject**	**MTHE_ Code**	**MTHE Subject**
1	MTHP-1	A	MTHE A-1	M	MTHE B-6
2	MTHP-2	B	MTHE A-2	N	MTHE C-1
3	MTHP-3	C	MTHE A-3	O	MTHE C-2
4	MTHP-4	D	MTHE A-4	P	MTHE C-3
5	MTHP-5	E	MTHE A-5	Q	MTHE C-4
6	MTHP-6	F	MTHE A-6	R	MTHE C-5
7	MTHP-7	G	MTHE A-7	S	MTHE C-6
8	MTHP-8	H	MTHE B-1	T	MTHE C-7
		I	MTHE B-2	U	MTHE C-8
		J	MTHE B-3	V	MTHE C-9
		K	MTHE B-4	W	MTHE C-10
		L	MTHE B-5	X	MTHE C-11
				Z	**For No Subject**

❖ MCB Subjects (Sixth digit) And SSB Subjects (Seventh Digit)

- સાતમો અંક MCB માંથી થશે. તેથી સાતમો અંક નીચેના વિષયમાંથી પસંદ કરવો. અને
- આઠમો અંક SSB માંથી થશે. તેથી આઠમો અંક નીચેના વિષયમાંથી પસંદ કરવો.

સાતમો અંક		આઠમો અંક	
MCBCODE	**MCB Subject**	**SSB_Code**	**SSB Subject**
1	MCB -1	1	SSB -1 & SSB -2
2	MCB -2	3	SSB -3 & SSB -4
3	MCB -3	5	SSB -5 & SSB -6
4	MCB -4	7	SSB -7 & SSB -8
5	MCB -5		
6	MCB -6		
7	MCB -7		

For Example Student Select : Comb_code is :

Example : For Maths First two Digits are 06,

0	6	1	2	B	Z	2	1

- MTHP-1 and MTHP-2 third & Forth digits are 12,
- MTHE-A2 then Fifth & sixth Digit is BZ,
- MCB-2 then Seventh Digit is 2,
- SSB – 1 & SSB -2 then Eighth digit is 1

M.SC. (Mathematics) (CBCS Semester System)

Method of Combination Code : કોમ્બીનેશન કોડ આઠ અંકનો રહેશે.

1	2	3	4	5	6	7	8
0	6	1	2	1	2	1	1
For Maths		MTHP subject		MTHE		MCB	SSB

પ્રથમ બે અંકોમાં> Mathematics માટે 06 મૂકવો.

- **MTHP Subjects (3rd & 4th digit)**
- ત્રીજો અને ચોથો અંક MTHP માંથી થશે. તેથી ત્રIjo અને ચોથો અંક નીચેના વિષયમાંથી પસંદ કરવો.

ત્રીજો અને ચોથો અંક	
MTHP CODE	**MTHP Subject**
1	MTHP-1 (Measure Theory)
2	MTHP-2 (Algebra-I)
3	MTHP-3 (Complex Analysis)
4	MTHP-4 (General Topology)
5	MTHP-5 (Advance Topology)
6	MTHP-6 (Functional Analysis-I)
7	MTHP-7 (Functional Analysis-II)
8	MTHP-8 (Fileld Theory)

- **MTHE Subject (5th & 6th Digit)**
  - પાંચમો અને છઠો અંક MTHE માં થી થશે. તેથી પાંચમો અને છઠો અંક નીચેના વિષયમાંથી પસંદ કરવો.
  - જયારે MTHE માં થી એકજ વિષય પસંદ કરવાનો હોય ત્યારે છઠો અંક Z રહશે, અને જયારે બે MTHE વિષયો પસંદ કરવાના થાય ત્યારે AB કે CD આવી રીતે બે અક્ષરો પસંદ કરવાના થશે.

પાંચમો અને છઠો અંક					
MTHE Code		**MTHE Subject**	**MTHE Code**		**MTHE Subject**
A	MTHE A-1	Differential Geometry	N	MTHE C-1	Mathematical Modelling
B	MTHE A-2	Techniques of Differ. Equations	O	MTHE C-2	Mathematical Logic
C	MTHE A-3	(Number Theory)	P	MTHE C-3	Introduction to Artificial Intelligence
D	MTHE A-4	Algebraic Topology-I : Homotopy Theory	Q	MTHE C-4	Operations Research
E	MTHE A-5	Algebraic Topology-II : Homology & Cohomology Theory	R	MTHE C-5	Adv. Operations Research
F	MTHE A-6	Functions of Several Variable	S	MTHE C-6	Statistical Methods
G	MTHE A-7	Differentiable Manifold	T	MTHE C-7	Mathematics of Fina. & Insurance PROBILITY & STATICS
H	MTHE B-1	Classical Mechanics-I	U	MTHE C-8	Computational Biology
I	MTHE B-2	Classical Mechanics-II	V	MTHE C-9	Fuzzy Sets & Their Applications
J	MTHE B-3	Electrodynamics –I	W	MTHE C-10	BIO-MECHANICS
K	MTHE B-4	Electrodynamics –II)	X	MTHE C-11	Mathematics of Money
L	MTHE B-5	Theory of Relativity	**Z**		**For No Subject**
M	MTHE B-6	Relativity and Cosmology			

❖ MCB Subjects (Sixth digit) And SSB Subjects (Seventh Digit)

- સાતમો અંક MCB માંથી થશે. તેથી સાતમો અંક નીચેના વિષયમાંથી પસંદ કરવો. અને
- આઠમો અંક SSB માંથી થશે. તેથી આઠમો અંક નીચેના વિષયમાંથી પસંદ કરવો.

સાતમો અંક			આઠમો અંક		
MCB CODE		**MCB Subject**	**SSB_ Code**		**SSB Subject**
1	MCB-1	Special Functions	1	SSB-1-2	Introduction to Computer C Language & Practical
2	MCB-2	Advanced Linear Algebra	3	SSB-3-4	Introduction to Computer Graphics Practical
3	MCB-3	Research Methodology	5	SSB-5-6	Object oriented Computer C++ Lang. & Prog. C++ & Practical
4	MCB-4	Fuzzy sets, Fuzzy Control System	7	SSB-7-8	Introduction to MATLAB & Practical
5	MCB-5	Integral Transforms			
6	MCB-6	Math. of Fina. & Insurance			
7	MCB-7	Industrial Mathematics			

For Example Student Select : Comb_code is :

Example : For Maths First two Digits are 06,

0	6	1	2	B	Z	2	1

- MTHP-1 and MTHP-2 third & Forth digits are 12,
- MTHE-A2 then Fifth & sixth Digit is BZ,
- MCB-2 then Seventh Digit is 2,
- SSB – 1 & SSB -2 then Eighth digit is 1