



Swami Ramanand Teerth Marathwada University, Nanded
(REVISED) EXAMINATION PROGRAMME

M.Sc. Semester Pattern Winter – 2015

Timing: I & II Semester 10:00 am to 01:00 pm

III & IV Semester 02:00 pm to 05:00 pm

TUESDAY 08-12-2015		
Sr.No.	Subject & Paper	Semester
	BIOTECHNOLOGY	
01	Cell & Development Biology BT-I (CBCS Pattern)	I
02	Cell Biology – BTT-1 (Revised)	I
03	Genetics Engineering-BT-XI (CBCS)	III
04	Genetics Engineering-BTT 3.1 (Revised)	III
	MICROBIOLOGY	
05	Cell Biology & Microbial Physiology-MB-101 (CBCS Pattern)	I
06	Cell Biology & Microbial Physiology-MB-103 (Revised)	I
07	Molecular Immunology –XI – MB-301 (CBCS Pattern)	III
08	Biostat., Comp. App. & Research Method-MB-301 (Revised)	III
	ELECTRONICS	
09	Fundamentals of Elect. Devices & Circuits-I (CBCS Pattern)	I
10	Electronics Devices & Circuits – I (Revised)	I
11	Power Electronics-II-EL-15 (CBCS)	III
12	Power Electronics-II-XII (Revised)	III
	BIO INFORMATICS	
13	Cell Biology & Genetics –BI-I (CBCS Pattern)	I
14	Basics of Biology & Biochemistry-BI-101 (Revised)	I
15	Statistics for Bioinformatics - BI-XI(CBCS Pattern)	III
16	Immunology & Parasite Bioinformatics-BI-301 (Revised)	III
	PHYSICS	
17	Mathematical Physics-PH-01 (CBCS Pattern)	I
18	Mathematical Physics-PH-01 (Revised)	I
19	Electrodynamics –PH-15 (CBCS Pattern)	III
20	Electrodynamics –PH-13	III
	CHEMISTRY	
21	Inorganic Chemistry-I CH-411 (CBCS Pattern)	I
22	Inorganic Chemistry-I CH-411 (Revised)	I
23	Advance Spectroscopic Methods – CH-531 (CBCS)	III
24	Advance Spectroscopic Methods – CH-531 (Revised)	III

TUESDAY 08-12-2015		
	ZOOLOGY	
25	Invertebrates Structure & Function-I (CBCS Pattern)	I
26	Invertebrates Structure & Function-ZOOL-101 (Revised)	I
27	Vertebrates Structure & Function-ZOOL-301 (CBCS)	III
28	IVertebrates Structure & Function-ZOOL-301 (Revised)	III
	ENVIRONMENTAL SCIENCE	
29	Eco Biology & Biodiversity Env-401 (CBCS Pattern)	I
30	Eco Biology & Biodiversity Env-401 (Revised)	I
31	Applied Microbiology Env-501 (CBCS Pattern)	III
32	Applied Microbiology Env-501 (Revised)	III
	MATHEMATICS	
33	Abstract Algebra-I (Group & Ring Theory) (CBCS Pattern)	I
34	Advanced Abstract Algebra-I (Revised)	I
35	Functional Analysis-XIII (CBCS)	III
36	Functional Analysis-XIII (Revised)	III
	DAIRY SCIENCE	
37	Advance in LPM-I (CBCS Pattern)	I
38	Advance in LPM-I (Revised)	I
39	Dairy Engineering-I-XI (CBCS Pattern)	III
40	Dairy Engineering-I-XIII (Revised)	III
	BOTANY	
41	Biology & Diversity of Microbes-I (CBCS Pattern)	I
42	Diversity of Microbes & Lower Cryptogams-I (Revised)	I
43	Plant Physiology & Metabolism-XI (CBCS Pattern)	III
44	Plant Physiology & Metabolism-I-V (Revised)	III
	COMPUTER SCIENCE	
45	Computer Arch. & Microprocessor-CS-101-(CBCS Pattern)	I
46	Computer Arch. & Microprocessor-S1-I – (Revised)	I
47	Advance Database Administration – CS-301 (CBCS Pat)	III
48	Oracle DBA – S3-1 (Revised)	III
	INFORMATION TECHNOLOGY	
49	Fundamentals of I T – IT-101 (CBCS Pattern)	I
50	Fundamentals of I T – S1-1 (Revised)	I
51	Software Engineering IT-301 (CBCS)	III
52	Software Engineering-S3-1 (Revised)	III

TUESDAY 08-12-2015		
	BIOCHEMISTRY	
53	Enzymology – BCH – I (CBCS Pattern)	I
54	Enzymology – BCH – I (Revised)	I
55	Genetic Engineering –(CBCS Pattern)	III
56	Genetic Engineering –BCH -13 (Revised)	III
	CLINICAL RESEARCH	
57	Funda. of Clinical Operations-CRT-101 (CBCS Pattern)	I
58	Funda. of Clinical Operations-CRT-101 (Revised)	I
59	Regulatory Affairs – CRT – 301(CBCS Pattern)	III
60	Regulatory Affairs – CRT – 301 (Revised)	III
	HERBAL MEDICINE	
61	Indian System of Medicines –I (CBCS Pattern)	I
62	Indian System of Medicines – I(Revised)	I
63	Natural Plant Products – XI (CBCS Pattern)	III
64	Natural Plant Products – IX(Revised)	III
WEDNESDAY 09-12-2015		
	BIOTECHNOLOGY	
65	Molecular Genetics – BT-VI (CBCS Pattern)	II
66	Genetics & Mol. Biology – BTT2–1 (Revised)	II
67	Food Biotechnology – BTT4–1(Revised)	IV
	MICROBIOLOGY	
68	Microbial Metabolism -MB-201 (CBCS Pattern)	II
69	Microbial Metabolism -MB-203 (Revised)	II
70	Bioinformatics, Proteo & Genomics –MB –401 (Revised)	IV
	INDUSTRIAL MICROBIOLOGY	
71	Bio analytical Technique –IMB-201	II
72	Pharmaceutical Microbiology – IMB – 401	IV
	ELECTRONICS	
73	Power Electronic Devices & Cercuits - VIII (CBCS)	II
74	Power Electronics- I- VII (Revised)	II
75	Instrumentation – XIX (Revised)	IV
	BIOINFORMATICS	
76	Molecular Cell Biology & Genetics – BI –VI (CBCS Patt.)	II
77	Molecular Cell Biology & Genetics – BI –201 (Revised)	II
78	Metabolomes & Metabolic Pathway Engg.-BI-401(Revised)	IV
	PHYSICS	
79	Quantum Mechanics-PH-08 (CBCS)	II
80	Quantum Mechanics-PH-07 (Revised)	II
81	Fiber Optics & Optical Fiber Comm. –PH –19 (Revised)	IV

WEDNESDAY 09-12-2015		
	CHEMISTRY	
82	Inorganic Chemistry-II-CH-421 (CBCS Pattern)	II
83	Inorganic Chemistry-II-CH-421 (Revised)	II
	INORGANIC CHEMISTRY	
84	Organo-metallic Catalysis & Fluxan.-CH-541/1 (Revised)	IV
	ORGANIC CHEMISTRY	
85	Advanced Heterocyclic Chemistry – CH – 541/2 (Revised)	
	PHYSICAL CHEMISTRY	
86	Radiation chemistry – CH – 541/3 (Revised)	IV
	ANALYTICAL CHEMISTRY	
87	Industrial Analytical Chemistry – CH – 541 /4 (Revised)	IV
	ZOOLOGY	
88	Animal Ecology, Toxicology & Env. Pollution –VI (CBCS)	II
89	Animal Ecology & Env. Pollution –Zool-201 (Revised)	II
90	Genetics & Genetic Engineering – Zool – 401(Revised)	IV
	ENVIRONMENTAL SCIENCE	
91	Environmental Biotechnology – Env.- 408 (CBCS)	II
92	Environmental Biotechnology – Env.- 407 (Revised)	II
93	Environmental Impact A.& D. Mgt.Env. – 507 (Revised)	IV
	MATHEMATICS	
94	Linear Algebra –VII (CBCS Pattern)	II
95	Advanced Abstract Algebra – II -VII (Revised)	II
96	Numerical Analysis – XXVI (Revised)	IV
	DAIRY SCIENCE	
97	Advances in Animal Nutrition & Breeding-VI (CBCS)	II
98	Advances in Animal Nutrition & Breeding-V (Revised)	II
99	Dairy Engineering – III – XVII (Revised)	IV
	BOTANY	
100	Instrumentation & Methods in Biology-VI - (CBCS Patt.)	II
101	Instrumentation & Bio technique – I (Revised)	II
102	Plant Physiology & Metabolism – II – V (Revised)	IV
	COMPUTER SCIENCE	
103	Advanced Networking Concepts – CS-201 (CBCS)	II
104	Advanced Networking Concepts – S2 – 1 (Revised)	II
105	Fuzzy System and ANN – S4-1 (Revised)	IV
	INFORMATION TECHNOLOGY	
106	Data Structure using C –IT-201(CBCS)	II
107	Data Structure using C –S2-1(Revised)	II
108	Java Programming S4 – 1 (Revised)	IV

WEDNESDAY 09-12-2015		
	BIOCHEMISTRY	
109	Principle of Molecular Biology – BCH – 08 – (CBCS Patt.)	II
110	Principle of Molecular Biology – BCH – 7 (Revised)	II
111	Metabolmic – BCH – 19(Rev)	IV
	CLINICAL RESEARCH	
112	IPR & Data Exc.Bio. In Clini. Research – CRT – 201 (CBCS)	II
113	IPR & Data Exc.Bio. In Clini. Research – CRT – 201 (Revised)	II
114	Project Mgmt. & Business Development – CRT – 401 (Revised)	IV
	HERBAL MEDICINE	
115	Fundamentals of Pharmacognosy –VI- (CBCS Pattern)	II
116	Fundamentals of Pharmacognosy –V (Revised)	II
117	Herbal Drug Development-XIII (Revised)	IV
THURSDAY 10-12-2015		
	BIOTECHNOLOGY	
118	Microbiology & Virology – BT-II (CBCS Pattern)	I
119	Biochemistry- BTT1-2 (Revised)	I
120	Industrial Biotechnology –BT-XII(CBCS)	III
121	Microbial Biotechnology – BTT3 – 2 (Revised)	III
	MICROBIOLOGY	
122	Advances in Virology –MB-102 (CBCS Pattern)	I
123	Advances in Virology –MB-102 (Revised)	I
124	Recombinant DNA Technology –XII – MB-302 (CBCS Pat)	III
125	Molecular Immunology-MB-302 (Revised)	III
	HERBAL MEDICINE	
126	Systematics of Plants –II (CBCS Pattern)	I
127	Systematics of Plants –II (Revised)	I
128	Medicinal Plant Biotechnology –XII (CBCS Pattern)	III
129	Medicinal Plant Biotechnology –X (Revised)	III
	ELECTRONICS	
130	Optoelectronic devices & circuits -II (CBCS Pattern)	I
131	Optoelectronics – II (Revised)	I
132	Digital Communication- EL-16 (CBCS)	III
133	Digital Communication- XIV (Revised)	III
	BIO-INFORMATICS	
134	Biophysics & Biochemistry - BI-II (CBCS Pattern)	I
135	Genetics Information Flow & Processing –BI –102 (Revised)	I
136	Chemo Informatics & Drug Designing – BI-XII (CBCS Patt)	III
137	Taxonomy & Phylogeny – BI – 302 (Revised)	III

THURSDAY 10-12-2015		
	PHYSICS	
138	Classical Mechanics – PH – 02 (CBCS Pattern)	I
139	Classical Mechanics – PH – 02 (Revised)	I
140	Nuclear & Particle Physics – PH-16 (CBCS Pattern)	III
141	Nuclear & Particle Physics – PH-14 (Revised)	III
	CHEMISTRY	
142	Organic Chemistry – I - CH-412 (CBCS Pattern)	I
143	Organic Chemistry – I - CH-412 (Revised)	I
	INORGANIC CHEMISTRY	
144	Bio Inorganic and Super a molecular Chemistry CH 532/1(CBCS)	III
145	Bio-Inorganic &Supra molecular Chem.–CH 532/1(Revised)	
	ORGANIC CHEMISTRY	
146	Natural Products – CH – 532/2 (CBCS)	III
147	Natural Products – CH – 532/2 (Revised)	III
	PHYSICAL CHEMISTRY	
148	Solid State Chemistry – CH – 532/3 (CBCS pattern)	III
149	Solid State Chemistry – CH – 532/3 (Revised)	III
	ANALYTICAL CHEMISTRY	
150	Fundamentals of Analytical Chemistry –CH –532/4 (CBCS Pattern)	III
151	Fundamentals of Analytical Chemistry –CH –532/4 (Revised)	III
	ZOOLOGY	
152	Biosystematics, Taxonomy & Evolution–II (CBCS Pattern)	I
153	Biosystematics, Taxonomy & Evolution – Zool -102 (Revised)	I
154	Molecular Cell Biology – Zool – 302 (CBCS)	III
155	Molecular Cell Biology – Zool – 302 (Revised)	III
	ENVIRONMENTAL SCIENCE	
156	Environmental Chemistry, Envo.- 402 (CBCS Pattern)	I
157	Environmental Chemistry, Envo.- 402 (Revised)	I
158	Remote Sensing and G.I.S. – Envi. 502 (CBCS)	III
159	Remote Sensing and G.I.S. – Envi. 502 (Revised)	III
	MATHEMATICS	
160	Real Analysis – P – II (CBCS Pattern)	I
161	Real Analysis – I – II (Revised)	I
162	Topology –XIV (CBCS Pattern)	III
163	Mechanics – XIV (Revised)	III

THURSDAY 10-12-2015		
DAIRY SCIENCE		
164	Market Milk Industry-II (CBCS Pattern)	I
165	Market Milk Industry-II (Revised)	I
166	Dairy Microbiology-I-XII (CBCS)	III
167	Dairy Microbiology-I-XIV (Revised)	III
BOTANY		
168	Biology and Diversity of Cryptogams – II (CBCS Pattern)	I
169	Diversity of Higher Cryptogams & Gymnosperms -II (Revised)	I
170	Molecular Biology & plant Biotechnology –XII (CBCS Pattern)	III
171	Cytogenetics, Gene regulation & Biotechnology-VI (Revised)	III
COMPUTER SCIENCE		
172	Programming in C++ - CS-102 (CBCS Pattern)	I
173	Programming in C++ - S1-2 (Revised)	I
174	Java Server Pages, Servlets & Stru. CS-302 (CBCS Pattern)	III
175	Java Server Pages, Servlets & Struts – S3 – 2 (Revised)	III
INFORMATION TECHNOLOGY		
176	Operation System – IT-102 (CBCS Pattern)	I
177	Operation System – S1 - 2 (Revised)	I
178	Computer Networks-IT-302 (CBCS)	III
179	Computer Networks-S3-2 (Revised)	III
BIOCHEMISTRY		
180	Microbial Biochemistry – BCH – 2 (CBCS Pattern)	I
181	Microbial Biochemistry – BCH - 2(Revised)	I
182	Industrial Biochemistry – BCH-16(CBCS Pattern)	III
183	Genomics to Drug Design – BCH - 14(Revised)	III
CLINICAL RESEARCH		
184	Clinical Data Management – CRT -102 (CBCS Pattern)	I
185	Clinical Data Management – CRT -102(Revised)	I
186	Human Biology- CRT -302(CBCS Pattern)	III
187	Human Biology- CRT -302(Revised)	III
FRIDAY 11-12-2015		
BIOTECHNOLOGY		
188	Immunotechnology – BT-VII - (CBCS Pattern)	II
189	Immunology & immu. Technics – BTT2–2 (Revised)	II
190	Animal Biotechnology – BTT4 – 2 (Revised)	IV
MICROBIOLOGY		
191	Molecular Biology & Microbial Genetics– MB – 202 (CBCS)	II
192	Molecular Biology & Microbial Genetics – MB – 204(Revised)	II
193	Medical & Pharmaceutical Microbiology- MB–402 (Revised)	IV

FRIDAY 11-12-2015		
INDUSTRIAL MICROBIOLOGY		
194	Industrial Fermentation Techniques – IMB – 202	II
195	Industrial Food & Dairy Fermentation – IMB – 402	IV
ELECTRONICS		
196	Fiber Optic Communication & Measurement -IX (CBCS)	II
197	Optical Fiber Communication & Measurement -VIII (Revised)	II
198	Simulation in Electronics: VHDL – XX (Revised)	IV
BIOINFORMATICS		
198/1	Immunoinformatics – BI - VII (CBCS)	II
199	Statistical Methods in Bioinformatics – BI - 202 (Revised)	II
200	Programming in Perl-BI-402(Revised)	IV
PHYSICS		
201	Statistical Mechanics – PH-09 (CBCS)	II
202	Statistical Mechanics – PH-08 (Revised)	II
203	Microwaves & Measurement – PH -20 (Revised)	IV
CHEMISTRY		
204	Organic Chemistry – II – CH -422 (CBCS Pattern)	II
205	Organic Chemistry – II – CH -422 (Revised)	II
INORGANIC CHEMISTRY		
206	Photo Inorganic Chemistry – CH-542/1 (Revised)	IV
ORGANIC CHEMISTRY		
207	Bio- Organic & Green Chemistry- CH – 542/2 (Revised)	IV
PHYSICAL CHEMISTRY		
208	Photo Chemistry – CH – 542/3 (Revised)	IV
ANALYTICAL CHEMISTRY		
209	Analytical methods – CH-542/4 (Revised)	IV
ZOOLOGY		
210	Gamete Biology & Animal Dev. – VII - (CBCS)	II
211	Gamete Biology & Animal Dev. – Zool. - 202 (Revised)	II
212	Endocrinology – Zool. - 402 (Revised)	IV
ENVIRONMENTAL SCIENCE		
213	Air Pollution & Climatology .- 409 (CBCS)	II
214	Air Pollution & Climatology Envi.- 408 (Revised)	II
215	Industrial Pollution Control & S.Mgt. Env-508 (Revised)	IV
MATHEMATICS		
216	Measure & Integration Theory - VIII (CBCS)	II
217	Integration Theory - VIII (Revised)	II
218	Partial Differential Equations -XXVII (Revised)	IV

FRIDAY 11-12-2015		
	DAIRY SCIENCE	
219	Quality Assurance in Dairy Industry - VII (CBCS Pattern)	II
220	Quality Assurance in Dairy Industry - VI (Revised)	II
221	Dairy Microbiology – II - XVIII (Revised)	IV
	BOTANY	
222	Cell Biology, Genetics & Plant Breeding - VII (CBCS Pattern)	II
223	Cell Biology & Genetics - II (Revised)	II
224	Genetic Engineering & Biostatistics - VI (Revised)	IV
	COMPUTER SCIENCE	
225	Mobile Communication – CS-202 (CBCS)	II
226	Mobile Communication – S2 – 2 (Revised)	II
227	Linux Administration – S4 – 2 (Revised)	IV
	INFORMATION TECHNOLOGY	
228	OOPs through C++ - IT-202 (CBCS)	II
229	OOPs through C++ - S2-2(Revised)	II
230	Software Testing – S4 – 2 (Revised)	IV
	BIOCHEMISTRY	
231	Biostatistics – BCH – 09 – (CBCS Pattern)	II
232	Biostatistics – BCH – 8 (Revised)	II
233	Clinical Biochemistry – BCH -20 (Revised)	IV
	CLINICAL RESEARCH	
234	Pre Clinical Studies – CRT – 202 – (CBCS Pattern)	II
235	Pre Clinical Studies – CRT – 202 (Revised)	II
236	Audit & Inspection – CRT – 402 (Revised)	IV
	HERBAL MEDICINE	
237	Plant Biochemistry-VII (CBCS Pattern)	II
238	Plant Biochemistry (Revised)	II
239	Herbal Cosmetic –XIV (Revised)	IV
SATURDAY 12-12-2015		
	BIOTECHNOLOGY	
240	Biochemistry – BT-III (CBCS Pattern)	I
241	Microbiology- BTT1-3 (Revised)	I
242	Animal Biotechnology-BT-XIII(CBCS)	III
243	Enzymology & Protein Engg. – BTT3 – 3(Revised)	III
	MICROBIOLOGY	
244	Food & Dairy Agri Microbiology-MB-103 (CBCS Pattern)	I
245	Food & Dairy Agri Microbiology-MB-104 -MB – 103 (Revised)	I
246	Microbial Diversity & Extremophiles-MB-303(CBCS)	III
247	Microbial Diversity & Extremophiles-MB-303(Revised)	III

SATURDAY 12-12-2015		
	ELECTRONICS	
248	Digital systems and design –III (CBCS Pattern)	I
249	Digital & System Design-III (Revised)	I
250	Microwave Devices & Measurements-EL-17 (CBCS)	III
251	Microwave Devices & Measurements-XV (Revised)	III
	BIO-INFORMATICS	
252	Computing foundations in Bioinfo.-BI-III (CBCS Pattern)	I
253	Introduction to Bioinformatics – BI – 103 (Revised)	I
254	System Biology – BI-XIII (CBCS Pattern)	III
255	Structural Biology & Molecular Modeling-BI-303 (Revised)	III
	PHYSICS	
256	Elect. Devices & Applications-PH-03 (CBCS Pattern)	I
257	Electronics Devices & Applications – PH – 03(Revised)	I
258	Basics of Laser & Devices – PH-17 (CBCS Pattern)	III
259	Basics of Laser & Devices – PH-15 (Revised)	III
	HERBAL MEDICINE	
260	Cell and Molecular Biology-III(CBCS Pattern)	I
261	Cell and Molecular Biology-III(Revised)	I
262	Fermentation Technology – XIII(CBCS Pattern)	III
263	Fermentation Technology – XI(Revised)	III
	CHEMISTRY	
264	Physical Chemistry-I-CH-413 (CBCS Pattern)	I
265	Physical Chemistry-I-CH-413 (Revised)	I
	INORGANIC CHEMISTRY	
266	Organo-metallic Chemistry-CH-533/1(CBCS pattern)	III
267	Organo-metallic Chemistry-CH-533/1(Revised)	III
	ORGANIC CHEMISTRY	
268	Organic Synthesis –I- CH-533/2 (CBCS)	III
269	Organic Synthesis – CH-533/2 (Revised)	III
	PHYSICAL CHEMISTRY	
270	Chemical Dynamics – CH-533/3 (CBCS)	III
271	Chemical Dynamics – CH-533/3 (Revised)	III
	ANALYTICAL CHEMISTRY	
272	Chromatography in Chemical Analysis –CH-533/4 (CBCS)	III
273	Chromatography in Chemical Analysis –CH-533/4 (Revised)	III
	ZOOLOGY	
274	Quantitative Biology & Bioinformatics-III (CBCS Pattern)	I
275	Quantitative Biology & Bioinformatics – Zool-103 (Revised)	I

SATURDAY 12-12-2015		
	Elective-I	
276	Entomology-I (Insect: Structure & fun-Zool-303A (CBCS) OR	III
277	Fishery Science-I (Fish M.A& Phy-I)-Zool-303B (CBCS) OR	III
278	App. Parasitology-I (Mic.& A.Med.I.)-Zool-303C (CBCS) OR	III
279	Animal Physiology-I (Gen.Physiology-I)-Zool-303D (CBCS)	III
280	Entomology-I (Insect: Structure & fun-Zool-303A (Revised) OR	III
281	Fishery Science-I (Fish M.A& Phy-I)-Zool-303B (Revised) OR	III
282	App. Parasitology-I (Mic.& A.Med.I.)-Zool-303C (Revised) OR	III
283	Animal Physiology-I (Gen.Physiology-I)-Zool-303D (Revised)	III
	ENVIRONMENTAL SCIENCE	
284	Wastewater Treatment Technology-Env-403 (CBCS Pattern)	I
285	Waste Water Treatment Technology-Env – 403 (Revised)	I
286	Biostatistics & Computational Tech.-Env.-503(CBCS Pattern)	III
287	Biostatistics & Computational Tech.-Env.-503(Revised)	III
	MATHEMATICS	
288	Ordinary Differential Equations- P-III (CBCS Pattern)	I
289	Topology - I (III) (Revised)	I
	Elective-I	
290	Analytical Number Theory –XV (A) (CBCS Pattern)	III
291	Theory of Linear Operators -I –XV (B) (CBCS Pattern)	III
292	Fuzzy sets their Applications –XV (C) (CBCS Pattern)	III
293	Difference Equation-I-XV (Revised)	III
	DAIRY SCIENCE	
294	Dairy Chemistry – I (CBCS Pattern)	I
295	Dairy Chemistry – I (Revised)	I
296	Dairy Engineering-II- XIII (CBCS)	III
297	Dairy Engineering-II- XV (Revised)	III
	BOTANY	
298	Diversity of seed plants & their systematics-III (CBCS Pattern)	I
299	Systematic of Angiosperms – III (Revised)	I
	Elective-I (Botany)	
300	Principles of plant pathology – XIII (A)(CBCS) OR	III
301	Taxonomy & Systematic – XIII (B)(CBCS) OR	III
302	Seed Biology & Seed Production – XIII (C)(CBCS)	III
303	Plant Pathology (Prin. of Plant Pathology)-VIIA (Revised) OR	III
304	Angiosperms (Taxonomy and Systematic –I) VIIB (Revised)OR	III
305	Seed Technology (Seeds Sci.& Gen. S. T.I) VIIC (Revised)	III

SATURDAY 12-12-2015		
COMPUTER SCIENCE		
306	Design Analysis of Algorithm-CS-103 (CBCS Pattern)	I
307	Design Analysis of Algorithm – S1-3(Revised)	I
308	Data Mining & Data Warehousing-CS-303(CBCS)	III
309	Data Mining & Data Warehousing-S3-3(Revised)	III
INFORMATION TECHNOLOGY		
310	Programming in C – IT-103 (CBCS Pattern)	I
311	Programming in C – S1 – 3 (Revised)	I
312	VB Net – IT-303 (CBCS)	III
313	VB.Net –S3-3 (Revised)	III
BIOCHEMISTRY		
314	Bioenergetics & Metabolism-BCH -3 (CBCS Pattern)	I
315	Bioenergetics & Metabolism – BCH – 3 (Revised)	I
316	Drugs Metabolism-BCH-17(CBCS Pattern)	III
317	Fermentation & Food Biotech – BCH – 15 (Revised)	III
CLINICAL RESEARCH		
318	Stat. for Clinical Research-CRT-103 (CBCS Pattern)	I
319	Statistics for Clinical Research – CRT – 103 (Revised)	I
320	Special Regulatory Process – CRT – 303 (CBCS Pattern)	III
321	Special Regulatory Process – CRT – 303 (Revised)	III
MONDAY 14-12-2015		
BIOTECHNOLOGY		
322	System Physiology – BT-VIII - (CBCS Pattern)	II
323	Virology – BTT 2.3 (Revised)	II
324	Bioinformatics – BTT4 – 3 (Revised)	IV
MICROBIOLOGY		
325	Bioprocess Engineering– MB – 203 (CBCS Pattern)	II
326	Bioprocess Engineering – MB – 201 (Revised)	II
327	Environmental Microbiology – MB – 403 (Revised)	IV
ELECTRONICS		
328	Microprocessor Interfacing Technique - X (CBCS)	II
329	Microprocessor Interfacing Technique - IX (Revised)	II
330	Microwave Communication – XXI (Revised)	IV
PHYSICS		
331	Condensed Matter Physics – PH-10 (CBCS)	II
332	Condensed Matter Physics – PH-09 (Revised)	II
333	Microprocessor & Microcontroller – PH – 21(Revised)	IV

MONDAY 14-12-2015		
BIOINFORMATICS		
334	Biodiversity & Phylogenetic Analysis-BI-VIII (CBCS)	II
335	Chemo Inform & Biodiversity Informatics-BI-203 (Revised)	II
336	Comparative Genomics and Proteomics-BI-403(Revised)	IV
CHEMISTRY		
337	Physical Chemistry - CH-423 (CBCS Pattern)	II
338	Physical Chemistry - CH-423 (Revised)	II
INORGANIC CHEMISTRY		
339	Chemistry of Materials – CH – 543/1 (Revised)	IV
ORGANIC CHEMISTRY		
340	Organic Synthesis – II – CH – 543/2 (Revised)	IV
PHYSICAL CHEMISTRY		
341	Molecular reaction Dynamic & BPChem-CH-543/3 (Revised)	IV
ANALYTICAL CHEMISTRY		
342	Chromatography & O Pin Chem. Analysis-CH- 543/4(Revised)	IV
ZOOLOGY		
343	Tools & Techniques for Biology- VIII (CBCS)	II
344	Tools & Techniques for Biology- Zool – 203 (Revised)	II
Elective-III (Zoology)		
345	Entomology-I (Economic Entom)-Zool-403 A (Revised) OR	IV
346	Fishery Science – I (Fish & F.C- I)-Zool-403 B (Revised) OR	IV
347	Applied Parasitology – I (T.& C.)-Zool -403 C (Revised) OR	IV
348	Animal Physiology-I (Mam.Physi.-I) -Zool –403D (Revised)	IV
ENVIRONMENTAL SCIENCE		
349	Toxicology & Hazardous Waste Mgt. – Env-410 (CBCS)	II
350	Toxicology & Hazardous Waste Mgt. – Env-409 (Revised)	II
351	Environmental Management – Env.- 509 (Revised)	IV
MATHEMATICS		
352	Partial Differential Equations -IX (CBCS)	II
353	Topology - II (IX) (Revised)	II
Elective-IV		
354	Difference Equations – II – XXVIII (Revised)	IV
DAIRY SCIENCE		
355	Dairy Chemistry – II – VIII (CBCS Pattern)	II
356	Dairy Chemistry – II – VII (Revised)	II
357	Dairy Plant Management – XIX (Revised)	IV
BOTANY		
358	Plant Ecology & Env. Biology & Phytogeography-VIII (CBCS)	II
359	Plant Ecology & Env. Biology – III (Revised)	II

MONDAY 14-12-2015			
	Elective-III		
360	Plant Pathology (Physio. and Mol. P. P.)- I-VII (A) (Revised)	OR	IV
361	Angiosperms (Taxonomy & systemat.)-I-VII(B) (Revised)	OR	IV
362	Seed Technology (Seed Scie & Gen S.T)-I-VII (C) (Revised)		IV
	COMPUTER SCIENCE		
363	C # net. – CS-203 (CBCS)		II
364	Programming in C # net. – S2-3 (Revised)		II
	Elective-I (Computer Science)		
365	Embedded System Design through C & C++ - S4-3A (Revised)	OR	IV
366	Artificial Intelligence – S4-3B (Revised)	OR	IV
367	Introduction to Bioinformatics – S4-3C (Revised)		IV
	INFORMATION TECHNOLOGY		
368	Management Information System – IT-203 (CBCS)		II
369	MIS – S2-3 (Revised)		II
370	Web development & PHP Programming S4-3 (Revised)		IV
	BIOCHEMISTRY		
371	Bioinformatics & Comp. Technique – BCH -10-(CBCS)		II
372	Bioinformatics & Comp. Technique – BCH -9 (Revised)		II
373	Bio fertilizers & Bio fuels – BCH-21 (Revised)		IV
	CLINICAL RESEARCH		
374	Pharmaceutical Biotechnology –CRT-203 (CBCS Pattern)		II
375	Pharmaceutical Biotechnology –CRT-203 (Revised)		II
376	Pharmacovigilance & Safety Monitoring – CRT-403 (Revised)		IV
	HERBAL MEDICINE		
377	Plant Metabolism & Development –VIII (CBCS Pattern)		II
378	Plant Metabolism & Development (Revised)		II
379	Drug Standardization & Regulations –XV (Revised)		IV
	TUESDAY 15-12-2015		
	BIOTECHNOLOGY		
380	Techniques in Biology – BT-4 (CBCS Pattern)		I
381	Bioinstrumentation & Biostatistics-BTT1-4 (Revised)		I
382	Plant & Agriculture Biotechnology-BT-XIV(CBCS)		III
383	Plant Biotechnology – BTT3 – 4 (Revised)		III
	MICROBIOLOGY		
384	Bioinstrumentation – MB – 104 (CBCS Pattern)		I
385	Bioinstrumentation -MB-101 (Revised)		I
386	Biostatistics Comp. Appl. & Res. Meth.-XIV-MB-304(CBCS)		III
387	Recombinant DNA technology –MB-304 (Revised)		III

TUESDAY 15-12-2015		
ELECTRONICS		
388	Programming in C –IV (CBCS Pattern)	I
389	“C” Programming –IV (Revised)	I
390	Advanced Microprocessor & Microcontroller-EL-18 (CBCS)	III
391	Advanced Microprocessor & Microcontroller-XVI (Revised)	III
BIOINFORMATICS		
392	Bioinformatics Fundamentals - BI-IV (CBCS Pattern)	I
393	Basic Concepts in Computing – BI -104 (Revised)	I
394	Object Oriented Programming – BI-XIV (CBCS Pattern)	III
395	Biological Database Management –BI -304 (Revised)	III
PHYSICS		
396	Atomic & Molecular Physics – PH-04 (CBCS Pattern)	I
397	Atomic & Molecular Physics – PH-04 (Revised)	I
398	Thin Film & Nano Physics – PH-18(A) (CBCS Pattern) OR	III
399	Material Science - PH-18(B) (CBCS Pattern) OR	III
400	Modern Digital Communication- PH-18(C) (CBCS Pattern)	III
401	Thin Film & Nano Physics – PH-16 (Revised)	III
HERBAL MEDICINE		
402	Modern Analytical Technique –IV (CBCS Pattern)	I
403	Modern Analytical Technique –IV (Revised)	I
404	Herbal Drug Technology –XIV (CBCS Pattern)	III
405	Herbal Drug Technology –XI (Revised)	III
CHEMISTRY		
406	Physical methods in Chem.-I-CH-414 (CBCS Pattern)	I
407	Physical methods in Chemistry-I-CH-414 (Revised)	I
INORGANIC CHEMISTRY		
408	Analytical Chemistry – CH-534/1 (CBCS)	III
409	Analytical Chemistry – CH-534/1 (Revised)	III
ORGANIC CHEMISTRY		
410	Medicinal Chemistry – CH-534/2A (CBCS)	III
411	Polymer Chemistry – CH-534/2B (CBCS)	III
412	Medical Chemistry – CH-534/2A (Revised)	III
413	Polymer Chemistry – CH-534/2B (Revised)	III
PHYSICAL CHEMISTRY (Elective)		
414	Statistical Thermodynamics – CH-534/3A (CBCS) OR	III
415	Advanced Quantum Chemistry – CH-534/3B (CBCS)	III
416	Statistical Thermodynamics – CH-534/3A (Revised) OR	III
417	Advanced Quantum Chemistry – CH-534/3B (Revised)	III

TUESDAY 15-12-2015		
	ANALYTICAL CHEMISTRY	
418	Instrumental Methods of Chem. Analysis-CH-534/4 (CBCS)	III
419	Instrumental Methods of Chem. Analysis-CH-534/4 (Revised)	III
	ZOOLOGY	
420	Economics Zoology & Animal Behaviour-IV (CBCS Pattern)	I
421	Economics Zoology & Animal Behaviour -zool-104 (Revised)	I
	ZOOLOGY	
	Elective-II	
422	Entomology-II (Insec. Tax.I.D.& ecology)-Zool-304 A (CBCS) OR	III
423	Fishery Science-II (Fish mor.,A. & Phy.-II)Zool-304B (CBCS) OR	III
424	Applied Parasitology-II (Protoz. & A.M.I.) Zool-304C (CBCS) OR	III
425	General Physiology-II Zool-304D (CBCS)	III
426	Entomology-II (Insec. Tax.I.D.& ecology)-Zool-304A (Revised) OR	III
427	Fishery Science-II (Fish mor.,A. & Phy.-II)Zool-304B (Revised) OR	III
428	Applied Parasitology-II (Protoz. & A.M.I.) Zool-304C (Revised) OR	III
429	General Physiology-II (Gen.Physiology-II) Zool-304D (Revised)	III
	ENVIRONMENTAL SCIENCE	
430	Natural Resources Utilization&Mgmt.Env-404 (CBCS Pattern)	I
431	Natural Resources Utilization & Mgmt Env – 404 (Revised)	I
432	Soil Pollution and Solid waste Management (CBCS) (A) OR Environmental Geology & Hazards –ENV-504 (CBCS)(B)	III
433	Soil Pollution & Solid Waste Mgmt.-Env.-504(Revised)	III
	MATHEMATICS	
434	Complex Analysis-I (CBCS Pattern)	I
435	Complex Analysis-I (Revised)	I
436	Elective for any one	
437	Fluid Mechanics –I- XVI – (A) (CBCS Pattern) OR	III
438	Difference Equations –I - XVI (B) (CBCS Pattern) OR	III
439	Mathematical Software –I – XVI(C) (CBCS Pattern) OR	III
440	Fluid Mechanics –I- XVI (Revised)	III
	DAIRY SCIENCE	
441	Dairy Technology – I (CBCS Pattern) (IV)	I
442	Dairy Technology – I (Revised)	I
443	Dairy Business Mgmt. & Co-operation-XIV (CBCS)	III
444	Dairy Business Mgmt. & Co-operation-XVI (Revised)	III

TUESDAY 15-12-2015		
	BOTANY	
445	Plant Structure & Developmental Biology-IV (CBCS Pattern)	I
446	Structure,Development & Reprod. in Flow.Plants-IV (Revised)	I
	Elective-II	
447	Basic plant pathology & plant Diseases - XIV (A) (CBCS) OR	III
448	Anatomy and Pharmacognosy – XIV (B) (CBCS Pattern) OR	III
449	Seed infection and seed borne diseases – XIV (C) (CBCS)	III
450	Plant Pathology (Basic Plat. Path. & M.P.Dis.)-VIII A (Revised) OR	III
451	Angiosperms (Plant Anatomy & Pharma.-I)-VIII B (Revised) OR	III
452	Seed Tech. (Seed Path.& S. Health Mgt-I)-VIII C (Revised)	III
	COMPUTER SCIENCE	
453	Distributed Database Concepts-CS-104 (CBCS Pattern)	I
454	Distributed Database Concepts-S1-4 (Revised)	I
455	Digital Image Processing Using MATLAB-CS-304 (CBCS)	III
456	Digital Image Processing Using MATLAB-S3-4 (Revised)	III
	INFORMATION TECHNOLOGY	
457	DBMS – IT-104 (CBCS Pattern)	I
458	DBMS – S1-4 (Revised)	I
459	RDBMS through Oracle 10G – IT-304 (CBCS)	III
460	RDBMS through Oracle 10G – S3-4 (Revised)	III
	BIOCHEMISTRY	
461	Immunology – BCH – 4 (CBCS Pattern)	I
462	Immunology – BCH – 4 (Revised)	I
463	Hormonal Biochemistry BCH-18 (CBCS Pattern)	III
464	Cosmetic Chemistry – BCH – 16 (Revised)	III
	CLINICAL RESEARCH	
465	Basics of Phar. Drug dis. & Develop.-CRT-104 (CBCS Pattern)	I
466	Basics of Phar. Drug dis. & Develop. – CRT – 104 (Revised)	I
467	Pharmacogenomics – CRT – 304(CBCS Pattern)	III
468	Pharma Cogenomics – CRT – 304 (Revised)	III
WEDNESDAY 16-12-2015		
	BIOTECHNOLOGY	
469	Process Biotechnology – BT-IX - (CBCS Pattern)	II
470	Process Biotechnology – BTT2 – 4 (Revised)	II
471	Environmental Biotechnology – BTT4 – 4 (Revised)	IV
	MICROBIOLOGY	
472	Enzyme Technology– MB – 204 (CBCS Pattern)	II
473	Enzyme Technology – MB – 202 (Revised)	II

474	Fermentation Technology – MB – 404 (Revised)	IV
WEDNESDAY 16-12-2015		
ELECTRONICS		
475	Numerical methods (with Algo.& Prog.in 'C') –XI (CBCS)	II
476	Numerical methods (with Algo.& Prog.in 'C') –X (Revised)	II
477	Integrated Circuit Techniques - XXII (Revised)	IV
BIOINFORMATICS		
478	Programming in Using Language C –BI-IX - (CBCS Pattern)	II
479	Programming in C –BI-204 (Revised)	II
480	Genome to Drug and Vaccine-BI-404(Revised)	IV
PHYSICS		
481	Numerical Techniques – PH-11 (CBCS)	II
482	Numerical Techniques – PH-10 (Revised)	II
483	Energy Physics – PH-22 (Revised)	IV
CHEMISTRY		
484	Principles of Spectroscopy – CH-424(CBCS Pattern)	II
485	Principles of Spectroscopy – CH-424(Revised)	II
INORGANIC CHEMISTRY		
486	Nuclear and radiation Chemistry – CH-544/1(Revised)	IV
ORGANIC CHEMISTRY		
487	Medicinal Chemistry – CH-544/2A (Revised) OR	IV
488	Polymer Chemistry – CH-544/2B (Revised)	IV
PHYSICAL CHEMISTRY		
489	Electro Chemistry – CH-544/3A (Revised) OR	IV
490	Liquid state – CH-544/3B (Revised)	IV
ANALYTICAL CHEMISTRY		
491	Instrumental methods of Chemical analysis-CH-544/4(Revised)	IV
ZOOLOGY		
492	Biochemistry & Immunology – IX (CBCS)	II
493	Biochemistry & Immunology – Zool-204 (Revised)	II
Elective-IV		
494	Entomology-II (Agri.Entomol & P.M.)-Zool-404 A (Revised) OR	IV
495	Fishery Science – II(Fish & Fish Cul.-II) Zool-404 B (Revised) OR	IV
496	Applied Parasitology-II(Anti.Net.& P.N) Zool-404 C (Revised) OR	IV
497	Animal Physiology-II(Mam.Physiol.-II)) Zool –404 D (Revised)	IV
ENVIRONMENTAL SCIENCE		
498	Instrumental Techniques in Envi.Analysis-Env.-411(CBCS)	II
499	Instrumental Techniques in Envi.Analysis-Env.-410(Revised)	II
500	Energy Resource Management – Env.-510 (Revised)	IV

WEDNESDAY 16-12-2015		
	MATHEMATICS	
501	Complex Analysis – II -X (CBCS)	II
502	Complex Analysis – II -X (Revised)	II
	Elective-V	
503	Fluid Mechanics – II- XXIX (Revised)	IV
	DAIRY SC IENCE	
504	Dairy Technology – II- IX (CBCS Pattern)	II
505	Dairy Technology – II- VIII (Revised)	II
	BOTANY	
506	Plant Resources & Utilization & Conservation – IX (CBCS)	II
507	Plant Resources & Utilization – IV (Revised)	II
	Elective-IV	
508	Plant Pathology (Diseases of Crop. Plants)-II- VIII A (Revised) OR	IV
509	Angiosperms (Plant Anat. & Pharmac.)-II-VIII B (Revised) OR	IV
510	Seed Technology (Seed Path. & Seed H.M.)-II-VIII C (Revised)	IV
	BIOCHEMISTRY	
511	Biophysical Technique – BCH-11- (CBCS Pattern)	II
512	Biophysical Technique – BCH-10 (Revised)	II
513	Total Quality Management – BCH-22 (Revised)	IV
	COMPUTER SCIENCE	
514	Compiler Design –CS-204 (CBCS)	II
515	Compiler Designing –S2-4 (Revised)	II
	INFORMATION TECHNOLOGY	
516	Multimedia Technology – IT-204 (CBCS)	II
517	Multimedia Technology – S2-4 (Revised)	II
	CLINICAL RESEARCH	
518	Basics of Mol. Biology & Biotech.- CRT-204 – (CBCS Pattern)	II
519	Basics of Mol. Biology & Biotech.- CRT-204 (Revised)	II
520	Reporting & Medical Writing – CRT-404 (Revised)	IV
	HERBAL MEDICINE	
521	Immunology & Microbiology – IX – (CBCS Pattern)	II
522	Immunology & Microbiology – VIII (Revised)	II
	THURSDAY 17-12-2015	
	MATHEMATICS	
	Elective-I	
529	Discrete Mathematics – V (A) (CBCS Pattern)	I
530	Dynamics & Continuum Mechanics-V (B) (CBCS Pattern)	I
531	Theory of Probability – V (C) (CBCS Pattern)	I
532	Differential Geometry of manifolds-V (D) (CBCS Pattern)	I

	Elective-I	
532/A	Differential Equation – V (A) (Revised)	I
533	Advanced Discrete Mathematics – V (B) (Revised)	I
534	Differential Geometry of manifolds – V (C) (Revised)	I
535	Dynamics and Continuum Mechanics – V (D) (Revised)	I
	Elective-III (Elective-any one)	
536	Integral Transforms – XVII (A) (CBCS Pattern) OR	III
537	Wave Propagation-I –XXIII(B) (CBCS Pattern) OR	III
538	Fractional Calculus and its applications-XXIII(C)(CBCS Pattern) OR	III
539	Analytical Number Theory-I- XVII (Revised)	III
	Computer Science (Elective III)	
539/1	Advanced operating system Elective III CS – 305 (CBCS) OR	III
539/2	Mobile programming (CBCS) Elective – III CS 305 OR	III
539/3	Research Methodology Elective III (305) (3)	III
	Information Technology	
539/4	Digital Image processing Elective III IT (305) (I) (CBCS)	III
539/5	Cloud computing Elective III IT (305) (2) (CBCS)	III
539/6	Data Mining Elective III IT (305) (3) (CBCS)	III
	FRIDAY 18-12-2015	
	INFORMATION TECHNOLOGY	
	Elective	
523	Web Designing- IT-205(A)	II
524	Information Security -IT-205(B)	II
525	Cyber Law and Cyber Ethics -IT-205(C)	II
	COMPUTER SCIENCE	
	Elective (II) (CBCS)	
526	Discrete Event System Simulation-CS-205(A) OR	II
527	Distributed Computing CS-205(B) OR	II
528	Network Programming CS-205(C)	II
	MATHEMATICS	
	Elective-II	
540	Combinatorics –XI (A) (CBCS)	II
541	Dyanamics & Continuum Mechanics –II-XI (B) (CBCS)	II
542	Operation Research – XI (C) (CBCS)	II
543	Differential Geometry of Manifolds-II-(D) (CBCS)	II

	Elective-II	
544	Differential Equation – XI A (Revised)	II
545	Advanced Discrete Mathematics – XI (B) (Revised)	II
546	Differential Geometry of manifolds – XI (C) (Revised)	II
547	Dynamics and Continuum Mechanics – XI (D) (Rev)	II
	Elective-VI (Elective-V)	
548	Analytical Number Theory II – XXX (Revised)	IV
SATURDAY 19-12-2015		
	MATHEMATICS	
	Elective-III	
549	Integral Equations- XX (Revised)	III
MONDAY 21-12-2015		
	MATHEMATICS	
	Elective-VI	
550	Boundary Value Problems – XXXIII (Revised)	IV
TUESDAY 22-12-2015		
	MATHEMATICS	
551	Programming in C-XXI (Rev) (Time:2.00pm to 4.00pm)	III
WEDNESDAY 23-12-2015		
	MATHEMATICS	
552	Programming in C – XXXIV (Time:- 2.00pm to 4.00pm)	IV
SATURDAY 26-12-2015		
	MATHEMATICS	
	(Equivalence given for Old Syllabus students only)	
553	Fuzzy Sets & their Applications-I- XVIII (Revised)	III
MONDAY 28-12-2015		
	MATHEMATICS	
554	Fuzzy Sets & their Applications-II- XXXI (Revised)	IV
TUESDAY 29-12-2015		
	MATHEMATICS	
555	Wave Propagation – I – XIX (Revised)	III
WEDNESDAY 30-12-2015		
	MATHEMATICS	
556	Wave Propagation – II – XXXII (Revised)	IV
CONTROLLER OF EXAMINATIONS		

