

UNIVERSITY OF PUNE



Examination Circular No. 13 of 2012

Programme of Third Year B.Sc. Sem. III & IV (Including Vocational) (2008 Pattern) Examination, March, 2012

1. Candidates are required to be present at the respective place of the examination fifteen minutes before the time fixed for the first paper and ten minutes before the time of each subsequent paper.
2. Candidates are forbidden from taking any material into the examination hall, that can be used for malpractice at the time of examination.
3. Candidates are requested to see the Notice-Board at their place of examination regularly for changes if any, that may be notified later in the programme.
4. No request for any special concession such as a change in time or any day fixed for the University Examination on religious or any other ground shall be granted.
5. The use of non-programmable calculator is permitted.
6. The Centres and Places of the examination will be as follows :

PUNE CITY AND PUNE DISTRICT

Sr. No.	Centre Code	College Code	Name of the Colleges
1	001	002	Fergusson College, Pune 411 004.
2	001	004	S. P. College of Arts, Science & Com., Pune 411 030.
3	001	006	Nowrosjee Wadia College (Arts & Sc.), Pune 411 001.
4	001	009	Abasaheb Garware College of Arts & Science, Pune 411 004.
5	001	069	Poona College of Arts, Science and Commerce, Pune 411 001.
6	001	070	Modern College of Arts, Sc. & Com., Shivajinagar, Pune 411 005.
7	001	147	Bharatratna Dr. Babasaheb Ambedkar Arts, Sc. & Com. College, Aundhgaon, Pune 411 007.
8	001	163	H. V. Desai College, 596, Budhawar Peth, Pune 411 002.
9	001	194	Baburaoji Gholap Arts, Science and Commerce College, Sangavi, Pune 411027.
10	001	221	M.C.E. Society's Abeda Inamdar Senior College for Arts, Science & Commerce, Camp, Pune 411 001.

T.Y.B.Sc. Sem. III & IV/ 2

Sr. No.	Centre Code	College Code	Name of the Colleges
11	001	227	Modern College of Arts, Science & Com. Ganeshkhind, Pune 411 053.
12	001	620	Genba Sopanrao Moze Trust's Arts, Science & Commerce College, Yerawada, Pune 411006
13	001	656	Sinhgad Technical Education Society's Science & BCS College, Vadgaon (BK) Pune 41.
14	001	696	Mandke Human Happiness Foundation's Arts, Commerce & Science College, Paud Road, Pune 411 038.
15	048	093	Annasaheb Magar College of Arts, Science & Com., Hadapsar, Pune 411 028.
16	048	187	Rayat Shikshan Sanstha's S. M. Joshi Arts, Commerce & Science College, Hadapsar, Pune 411 028.
17	080	146	T. J. College of Arts, Sc. & Com., Khadki, Pune 411003.
18	081	244	Dr. D.Y. Patil Arts, Commerce and Science College, Pimpri, Pune 411018. [Students of Sanghavi Kesari College, Chinchwad also.]
19	030	700	Snehavardhak Shikshan Mandal's Shaikshanik Trust College of Science, Talegaon-Dabhade, Tal. Maval, Dist. Pune.
20	086	158	Mahatma Phule Arts, Sc. and Commerce College, Pimpri-Waghire, Pune -17. [Students of Sanghavi Kesari College, Chinchwad & S.N.B.P.College of Arts comm.& Sci.Sant Dnyaneshwar Nagar MHADA Colony Ajmera, Morwadi, Pimpri,Pune-18 also.]
21	108	228	Prof. Ramkrishna More College of Arts, Science & Com., Akrudi, Pune - 44.
22	180	669	Dr. D. Y. Patil Pratishthan's Arts, Sci. & Com. College, Akurdi, Pune- 44.
23	129	371	Camp Edu. Society's Dr. Arvind B. Telang Arts, Com. & Sc. College, Nigadi, Pune 411 044.
24	142	653	Rajmata Jijau Shikshan Prasarak Mandal's Arts, Com., Sc. & Computer Science College, Bhosari, Pune. (Students of G.S.M.T. Arts, Sci. & Comm. College, Wadmukhwadi, Alandi Road, Pune also)
25	087	159	Samajbhushan Ganpatrao Kalbhor Arts, Commerce & Science College, Loni-Kalbhor.
26	126	243	Bharteeya Jain Sanghatana's College of Arts, Sc. & Com. Wagholi, (Dist. Pune) 412 207.
27	155	699	Pad. Dr. Manibhai Desai Arts, Commerce & Science College, Uruli-Kanchan, Dist.-Pune.

T.Y.B.Sc. Sem. III & IV / 3

Sr. No.	Centre Code	College Code	Name of the Colleges
28	028	056	Shri. C. T. Bora Arts, Sc. & Com. College, Shirur.
29	114	233	E. S. Divekar College of Arts, Sc. & Com. College, Warwand.
30	137	299	Bhimthadi Shikshan Sanstha's Science & Arts College, Daund.
31	016	032	T.C. College of Arts, Sc. and Commerce, Baramati.
32	016	235	Vidya Pratishthan's Arts, Com. & Sc. College, Bhigwan Rd. (MIDC Zone), Baramati.
33	116	236	Sharadabai Pawar (Mahila) Arts, Science & Commerce College, Malegaon (Bk.), Baramati.
34	059	110	Arts, Sc. and Commerce College, Indapur.
35	061	112	PDEA'S Shankarrao Ursal Sci. & Waghire College of Arts and Commerce, Saswad.
36	078	142	Anantrao Thopate Arts, Science and Commerce College, Bhor.
37	023	048	Rayat Shikshan Sanstha's Annasaheb Awate Arts, Commerce Hutama Babu Genu Sci. College, Manchar, Tal. Ambegaon Dis. Pune.
38	066	119	Hutatma Rajguru Arts, Sc. & Com. College, Rajgurunagar.
39	037	075	Annasaheb Waghire College of Arts, Science & Commerce, Otur.
40	038	076	Shri Shiv Chhatrapati Arts, Science & Commerce College, Junnar.
41	113	232	Arts, Sc. & Com. College, Narayangaon, Dist. Pune.
42	115	234	Balasaheb Jadhav Arts, Com. & Sc. College, Ale, Dist. Pune
43	030	058	Indrayani Arts, Com. & Sc. College, Talegaon-Dabhade, Dist. Pune.
44	108	753	Dr, D.Y. Patil Arts, Sci. & Comm. (Women) College, Akurdi (Pradhikaran), Pune
45	001	781	Balaji Arts, Com. & Sc. College, S. No.55/2-7, Tathwade, Pune.33
46	001	164	Appasaheb Jedhe Arts, Com. & Sc. College, Shukrawar Peth, Pune-2.
47	184	811	Arts, Com. & Sc. (Women) College, Bori (Bk.), Tal. Junnar.
48	116	814	Shivnagar Vidya Prasarak Mandal's College of Com., Sc. & Comp. Sc., Malegaon (Bk.), Baramati.

T.Y.B.Sc. Sem. III & IV / 4

Sr. No.	Centre Code	College Code	Name of the Colleges
49	143	645	Netaji Shikshan Sanstha's Subhash Baburao Kul Arts, Com. & Sc. College, Daund, Kedgaon
50	060	827	Someshwar Science College, Someshwarnagar. Tal. Baramati Dist. Pune.
51	001	874	Pratibha Mahila Pratishthan's Pratibha Commerce, Science and B.C.S. College, Navi Sangvi, Pune [Students of Spicer Memorial Arts, Commerce & Science College, Pune -7 also]
52	150	823	Maharashtra Academy of Engg. & Educational Research Alandi Devachi, Dist. Pune.
53	001	824	Vishwakarma College of Arts, Comm. & Science, Kondhwa BK., Laxminagar, Pune-48.
54	066	830	Hutama Rajguru Shikshan Prasarak Arts, Comm. & Sci. College Dehane, Tal. Khed, Rajgurunagar.
55	126	844	G.H. Raisonni Educational Research Arts, Sci. & Comm., Computer Science College, Wagholi, Tal. Haveli Dist. Pune.
56	001	866	Pune Jilha Shikshan Mandal's Arts, Science and Commerce College, Pirangut, Tal – Mulshi, Dist – Pune.
57	001	766	MAEER's Arts, Commerce & Sci. College, Pune 411 038
AHMEDNAGAR CITY AND AHMEDNAGAR DISTRICT			
58	006	018	Ahmednagar College, Ahmednagar. .(Students of Marutirao Ghule Patil Arts Comm.& Sci.College, Nagapur, Ahmednagar.also)
69	006	031	Pemraj Sarda College, Ahmednagar.
60	006	077	New Arts, Sc. & Com. College, Ahmednagar. (Students of Arts Comm. & Science College, Takali-(Khatgaon also).
61	006	199	RSS's Radhabai Kale College for Women, Ahmednagar.
62	021	039	K.J. Somaiya College of Arts, Sc. and Com., Kopargaon.
63	021	042	S.S.G.M. Arts, Sc. & Com. College, Kopargaon.
64	153	689	Karmaveer Shankarrao Kale Edu.Soc.Sau.Sushilamai Kale Arts, Commerce & Science College, Gautam Nagar, Kolpewadi, Dist. Ahmednagar
65	009	022	R.B.N.B. Art, Sci., & Comm.College, Shrirampur, Dist. -Ahmednagar.
66	144	649	Ashok Gramin Shikshan Sanstha's Arts, Com. & Sc. College, Ashoknagar, Tal. Shrirampur.
67	050	095	Padmashri Vikhe-Patil College of Arts, Sc. and Commerce, Pravaranagar.
68	122	246	Arts, Science and Commerce College, Rahata.

T.Y.B.Sc. Sem. III & IV/5

Sr. No.	Centre Code	College Code	Name of the Colleges
69	134	296	Pravara Rural Education Society's Arts, Science & Commerce College, Kolhar, Tal. Rahata.
70	015	030	S.N. Arts, D.J.M. Com. & B.N.S.Sc., College, Sangamner.
71	015	201	B.S.T. Arts, Sci. & Com. College, Sangamner. [Students of Sahyadri Bahujan Vidya Prasarak Samaja's Arts, Commerce and Science College, Talegaon- Dighe, Tal – Sangamner, Dist – Ahmednagar also]
72	149	679	Arts, Sci. & Commerce College, Ashvi Khurd, Tal. Sangamner.
73	157	703	Ramesh Phirodia College of Arts, Sci. & Comm. Sakur, Tal. Sangamner.
74	065	117	Dadasaheb Rupwate Arts, Com. and Sc. College, Akole.
75	118	238	Adv. M. N. Deshmukh Arts, Sc. & Com. College, Rajur.
76	029	057	Shri Dnyaneshwar Arts, Sci. & Comm. College, Newasa.
77	109	229	Jijamata College of Science, Dnyaneshwarnagar, Bhende (Bk.) Tal. Newasa., Dist-Ahmednagar.
78	071	124	Arts, Sc. & Com. College, Rahuri., Dist-Ahmednagar.
79	130	374	Pravara Rural Education Society's Arts, Science & Commerce College, Satral, Tal. Rahuri., Dist-Ahmednagar.
80	068	121	New Arts, Sc. & Com. College, Parner
81	076	140	M.J. Shinde Arts, Sc. & Com. College, Shrigonda., Dist-Ahmednagar.
82	076	145	Shri Chhatrapati Shivaji College of Arts, Sc. & Commerce, Shrigonda.
83	070	123	New Arts, Sc. & Com. College, Shevgaon, Dist-Ahmednagar
84	092	167	Arts, Science & Commerce College, Jamkhed, Dist-Ahmednagar.
85	024	222	Shree Tilok Jain Dnyan Prasarak Mandal's Anand College of Arts & Science, Pathardi., Dist-Ahmednagar.
86	110	223	Shri. Dadasaheb Rajale Arts, Sc. & Com. College, Adinathnagar (Pathardi), Dist-Ahmednagar.

T.Y.B.Sc. Sem. III & IV /6

Sr. No.	Centre Code	College Code	Name of the Colleges
87	156	702	Harihareshwar Arts & Science College, Koradgaon, Tal. Pathardi.
88	020	038	Dada Patil Mahavidyalaya, Karjat, Dist-Ahmednagar.
89	145	650	Rural Education Society's Mahatma Phule Arts & Science College, Mirajgaon, Tal. Karjat, Dist-Ahmednagar.
90	171	763	Arts, Com. & Sc. College, Puntamba, Tal. Rahata, Dist-Ahmednagar.
91	169	757	P.R.R.S.'s Arts, Com.& Sc. College, Alkuti, Tal. Parner, Dist-A'Nagar
92	166	745	Arts & Sci. College, Deolali-Pravara, Tal. Rahur, Dist-Ahmednagar.i.
93	167	752	Arts, Sci. & Com. College, Buranpur, Ahmednagar.
94	119	239	A.J.M.V.P.Samaj:s Shri Dhokeshwar College ,Takali-Dhokeshwar ,Tal.-Parner-414304.
95	102	197	Arts, Sc. & Com. College, Sonai, Dist-Ahmednagar.

NASHIK CITY AND NASHIK DISTRICT

96	003	062	K.T.H.M. Arts, Sc. & Com. College, Nasik.
97	003	105	Loknete Vyankatrao Hiray Mahavidyalaya, Panchavati, Nasik.
98	003	188	C.H.M.E. Society's Bhonsala Military College, Nasik.
99	003	240	N.D.M.V.P. Samaj's Kai. Shantaram K. Wawre Arts, Sc. & Comm. College, Uttamnagar, CIDCO, Nasik.
100	003	015	H.P.T. Arts and R.Y.K. Science College, Nasik.
101	003	250	V. N. Naik Education Society's Arts, Commerce & Science College, Nasik.
102	003	637	Godawari Shikshan Mandali's Kala, Wanjyia, Vidnyan & B.C.S. College, Nasik.
103	003	701	K. K. Wagh Education Society's Arts, Com. & Sc. and Computer Science College, Adgaon, Panchawati.
104	018	036	R.N.C. Arts, J.D.B. Com. and N.S.C. Science College, Nasik Road.
105	093	168	Arts, Sc. & Com. College, Deolali Camp.
106	079	138	N.D.M.V.P.S'. Karmveer Punjababa Goverdhane Kala, Wanjyia & Science Mahavidyalaya, Near Take Ghoti, Igatpuri.

T.Y.B.Sc. Sem. III & IV /7

Sr. No.	Centre Code	College Code	Name of the Colleges
107	035	065	Arts, Sc. & Com. College, Sinnar.
108	031	059	K.K. Wagh Arts, Sc. & Com. College, Pimpalgaon-Basawant.
109	057	106	Karmaveer Ganpat Dada More Patil Arts, Com. & Sc. College, Niphad.
110	090	165	Arts, Sc. & Com.College, Ozar (Mig). Nasik.
111	090	181	H.A.L. Science College, Ozar -Township.
112	131	293	N.D.M.V.P.'s College of Sci. Arts & Comm., Saikheda, Tal. Niphad, Dist. Nasik.
113	027	053	Arts, Com. & Sc. College, Lasalgaon.
114	069	122	Arts, Sc. and Com. College, Deola.
115	084	152	Arts, Science & Commerce College, Kalwan.
116	148	683	N.D.M.V.P. Samaj's Arts, Commerce & Science College, Dindori, Nasik.
117	026	052	Arts, Science & Commerce College, Satana.
118	089	161	Arts, Sc. & Com. College, Nampur.
119	008	195	J.A.E.T. Sanstha's Arts, Sci. & Com. Mahila Mahavidyalaya, Malegaon.
120	008	220	Smt. Pushpatai Hiray Arts, Sc..& Com. Mahila Mahavidyalaya, Malegaon Camp.
121	008	021	M.S.G. Arts, Sc. & Com. College, Malegaon Camp.
122	034	064	M.G.V.M's Arts, Sc. & Com. College, Manmad.
123	064	116	Arts, Com. & Sc. College, Nandgaon.
124	044	224	Swami Muktanand Science College, Yeola.
125	008	678	The Anjuman Imdadut Tulba Sanstha's Arts, Com. & Sc. (Night) College, Malegaon.
126	044	734	Jagdamba Edu. Society's Arts. Sci. & Com. College, Manmad Rd., Yeola.
127	168	755	K. K. Wagh Edu. Society's Arts & Com. College, Chandori, Tal. Niphad.

T.Y.B.Sc. Sem. III & IV /8

Sr. No.	Centre Code	College Code	Name of the Colleges
128	173	765	K. K. Wagh Arts, Com. & Sc. & Comp. Sc. College, Bhausaheb Nagar, Niphad, Nasik.
129	176	774	K.K. Wagh Education Society Arts, Com., Sc. & Computer Sc. College, Kakasaheb Nagar, Niphad, Nashik
130	185	821	S.S.R M.T. Arts, Com. & Sc. College, Sanjibhai Delkar Marg, Saily Silvassa, Silvassa-396230
131	003	831	P.V.G. College of Comm. & Sci. Near Meri Marg Dindori Road, Nasik 422 004.

7. The Written Examination will be conducted in the following order

DAY & DATE	SUBJECTS TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER III
Tuesday, 20.03.2012	(61613) GL-331 - Mineralogy (61413) BO-331 - Algae, Fungi and Bryophytes (61113) MT-331- Set Theory and Logic (61313) CH-331 - Physical Chemistry (62213) EL-331- Advanced Digital System design (61913) MB-331- Medical Microbiology-I (61713) ST-331 - Distribution Theory-I (61213) PH-331 - Mathematical Methods in Physics (61813) GG-331 - Principles and Techniques (61513) ZY-331 - General Zoology (62313) DS-331 - Science Technology and National Security (62413) ENV-301 Terrestrial Ecosystems and Management

T.Y.B.Sc. Sem. III /9

DAY & DATE	SUBJECT SEMESTER- III TIME : 3.00 P.M. TO 5.00 P.M.
Wednesday, 21.03.2012	(61623) GL-332 - Igneous Petrology (61423) BO-332- Molecular Biology (61123) MT-332 - Real Analysis (61323) CH-332 - Inorganic Chemistry (62223) EL-332 - Microcontrollers (61923) MB-332 - Genetics & Molecular Biology -I (61723) ST-332 -Theory of Estimation (61223) PH-332- Classical Electrodynamics Electrodynamics (61823) GG-332 - Geography of Travel Tourism (61523) ZY-332 - Mammalian Histology (62323) DS-332 - Defence Economics (62423) ENV-302 -Wildlife biology

T.Y.B.Sc. Sem. III /10

DAY & DATE	SUBJECT SEMESTER III TIME : 3.00 P.M. TO 5.00 P.M.
Thursday, 22.03.2012	(61633) GL-333- Sedimentary Petrology (61433) BO-333 - Angiosperms and Evolution (61133) MT-333 - Problem Course on MT-331 and MT-332 (61333) CH-333- Organic Chemistry (62233) EL-333- Analog Circuit Design and Application of Linear IC's (61933) MB-333- Enzymology (61733) ST-333-StatisticalProcess Control (Online Methods) (61233) PH-333 Classical Mechanics (61833) GG-333- Fundamentals of Geo-Informatics Part-I (61533) ZY-333 - Biological Chemistry (62333) DS-333 - Study of Disaster (62433)ENV-303 - Water Quality

T.Y.B.Sc. Sem. III /11

DAY & DATE	SUBJECT SEMESTER III TIME : 3.00 P.M. TO 5.00 P.M.
Saturday, 24.03.2012	(61643) GL-334- Structural Geology (61443) BO-334 -Genetics and Plant Breeding (61143) MT-334 -Group Theory (61343) CH-334 Analytical Chemistry (62243) EL-334- Foundation of Nanoelectronics (61943) MB-334 - Immunology (61743) ST-334 - Design Experiments (61243) PH-334 - Atomic & Molecular Physics (61843) GG-334 - India Geographical Study (61543) ZY-334- Environmental Biology and Toxicology (62343) DS-334 - Research Methodology (62443) ENV-304 - Issues in Environmental Sci.

T.Y.B.Sc. Sem. III /12

DAY & DATE	SUBJECT SEMESTER III TIME : 3.00 P.M. TO 5.00 P.M.
Monday, 26.03.2012	(61653) GL-335 - Precambrian Stratigraphy of India (61453) BO-335 - Biometry and Computer Applications (61153) MT-335 -Ordinary Differential Equations (61353) CH-335 - Industrial Chemistry (62253) EL-335 - 'C' Programming (61953) MB-335 -Fermentation Technology -I (61753) ST-335 'C' Programming (Turbo 'C') (61253) PH-335- 'C' Programming & Computational Physics (61853) GG-335- Geography of Soils (615A3) ZY-335 -(a)General Pathology OR (615B3) ZY-335 -(b)Basic Entomology (62353) DS-335 -Computer Application in Defence Management (62453) ENV-305 -Environmental Governance and Equity Law and ethics

T.Y.B.Sc. Sem. III /13

DAY & DATE	SUBJECT SEMESTER - III TIME : 3.00 P.M. TO 5.00 P.M.
Tuesday, 27.03.2012	<p>(61663) GL-336- Applied Geology I</p> <p>(61463) BO-336 Cell Biology and Seed technology</p> <p>(61163) MT-336 -Problem Course on MT-334 and MT-335</p> <p>(613A3) CH-336 - (A) Nuclear Chemistry OR (613B3) (B) Polymer Chemistry OR (613C3) (C) Bio-Chemistry OR (613D3) (D) Environmental Chemistry OR (613E3) (E)Agriculture Chemistry</p> <p style="text-align: center;">Optional - II (Only for EL – 336)</p> <p>(622F3)- EL-336 (A)Fiber Optics and fiber optic Communication (</p> <p>(622G3) EL-336 (B)Sensor & Actuators</p> <p>(61963)- MB-336 Food & Dairy Microbiology</p> <p>(617A3) -ST-336- (A)Operations Management</p> <p style="padding-left: 40px;">(617B3)-(B)Actuarial Statistics OR (617D3)- (C)Time Series Analysis</p>

T.Y.B.Sc. Sem. III /14

DAY & DATE	SUBJECT SEMESTER - III TIME : 3.00 P.M. TO 5.00 P.M.
Wednesday, 28.03.2012	<p>PH-336 Elective I : (Select any One)</p> <p>(612A3) PH-336- (A) Astronomy and Astrophysics-I</p> <p>(612L3)- (B) Elements of Materials Science</p> <p>(612F3)- (C) Motion Picture Physics</p> <p>(612B3)- (D) Biophysics</p> <p>(612J3)- (E) Medical Electronics</p> <p>(61863) - GG-336- Fundamentals of Geo-Informatics Part-II</p> <p>(61563) - ZY-336 - Cell Biology</p> <p>(623A3) -DS-336- (A) Indian Military System-I</p> <p>(623B3) - (B) Maratha Military System-I</p> <p>(623C3)- (C) Indian War since Independence-I</p> <p>(62463) - ENV-306 - Environmental Biotechnology-1</p>

T.Y.B.Sc. Sem. III /15

DAY & DATE	SUBJECT SEMESTER III TIME : 3.00 P.M. TO 5.00 P.M.
Thursday, 29.03.2012	<p style="text-align: center;">Any Two out of Six Courses</p> <p>(611A3) -MT-337- (A) Operations Research</p> <p>(623D3)- DS-337- (A) Military Sociology</p> <p>(623E3) - (B) Defence Journalism</p> <p>(623F3) (C) Defence Preparedness of India</p>
Friday, 30.03.2012	<p>(611E3)- MT-337- (B) Lattic Theory</p> <p>(623G3) DS-338- (A) Armed Conflict and Human Rights</p> <p>(623H3) (B) International Organisation and National Security</p> <p>(623J3) (C) International Law</p>
Saturday, 31.03.2012	<p>(611F3) -MT-337- (C)C-Programming-I</p> <p>(623K3) DS-339 (A) Defence Management in India</p> <p>(623L3) (B) Internal Security of India</p> <p>(623M3) (C) India's Maritime Security</p>

T.Y.B.Sc. Sem. III /16

DAY & DATE	SUBJECT SEMESTER III TIME : 3.00 P.M. TO 5.00 P.M.
Monday, 02.04.2012	<p>(611P3) MT-337 (D)Differential Geometry</p> <p>Vocational Paper V :</p> <p>(65653) Industrial Chemistry – Industrial Methods of Chemical Analysis</p> <p>(65753) Biotechnology - Plant Biotechnology</p> <p>(68053) Still Photography and Audio Visual Product – Video Recording and Playback Systems</p> <p>(68753) Computer Maintenance – Computer Computer/IT Service Management & Entrepreneurship Development</p> <p>(68953) Seed Technology - Seed Pathology & Entomology</p> <p>(68253) Industrial Microbiology – Pollution Control Technology</p> <p>(68153) Electronic Equipment & Maintenance – Electronic Equipment troubleshooting and repairs</p>

T.Y.B.Sc. Sem. III /17

DAY & DATE	SUBJECT SEMESTER III TIME : 3.00 P.M. TO 5.00 P.M.
Tuesday, 03.04.2012	(611D3) MT-337 -(E) Combinatorics Vocational Paper VI : (65663) Industrial Chemistry – Inorganic and organic Based Industries (65763) Bio-Technology – Environmental Biotechnology & Entrepreneurship (68063) Still Photography and Audio Product – Video Production (68763) Computer Maintenance – Network Concepts (68963) Seed Technology - Seed Farm Management, Processing & Storage (68263) Industrial Microbiology - Animal and Plant Tissue Culture (68163) Electronic Equipment & Maintenance - Electronic Instrumentation
Wednesday, 04.04.2012	(611N3) MT-337 -(F)Number Theory

T.Y.B.Sc. Sem. IV /18

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER –IV
Saturday, 07.04.2012	(61614)GL-341-Metamorphic Petrology (61414)BO-341-Plant Physiology and Biochemistry (61114)MT-341 -Metric Spaces (61314)CH-341-Physical Chemistry (62214)EL-341- Advanced Communication Systems (61914)MB-341- Medical Microbiology (61714)ST-341-Distribution Theory- II (61214)PH-341-Solid State Physics (61814)GG-341-Principles and Techniques of Watershed Management Paper II (61514)ZY-341-Biotechnology (62314)DS-341-Management of Military Technology in India. (62414) ENV-341- Aquatic Ecosystems and Management

T.Y.B.Sc. Sem. IV /19

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER –IV
Monday, 09.04.2012	(61624)GL -342 Environmental Geology (61424)BO-342-Plant Pathology (61124)MT-342 -Complex Analysis (61324)CH-342-Inorganic Chemistry (62224)EL-342-Embedded systems (61924)MB-342-Genetics & Molecular Biology (61724) ST -342- Testing of Hypothesis (61224)PH-342-Quantum Mechanics (61824)GG-342-Geography of Travel & Tourism (61524)ZY-342-Mammalian Physiology and Endocrinology (62324)DS-342-Economic Aspects of War (62424) ENV-342- Natural Conservation

T.Y.B.Sc. Sem. IV /20

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER –IV
Tuesday, 10.04.2012	(61634)GL -343 -Economic Geology (61434)BO-343-Pteridophytes, Gymnosperms and Palaeobotany (61134)MT-343 -Problem Course on MT 341 and MT 342 (61334)CH-343-Organic Chemistry (62234)EL-343-Power Electronics (61934)MB-343- Metabolism (61734)ST-343-Statistical process Control (off line Methods) (61234)PH-343-Thermodynamics and Statistical Physics (61834)GG-343-Fundamental of Geoinformatics – Paper II (61534)ZY-343-Molecular Biology (62334)DS-343-Disaster Management (62434) ENV-343-Air and soil Quality

T.Y.B.Sc. Sem. IV/21

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER- IV
Wednesday, 11.04.2012	(61644)GL -344 -Geotectonics (61444)BO-344-Plant Biotechnology (61144)MT-344- Ring Theory (61344)CH-344-Analytical Chemistry (62244)EL-344-Electronic Materials And Devices (61944)MB-344 - Immunology (61744)ST-344-Sampling Methods. (61244)PH-344-Nuclear Physics (61844)GG-344-India – A Geographical Study (61544)ZY-344-Organic Evolution 62444) ENV-344 - Issues in Environmental Science

T.Y.B.Sc. Sem. IV/22

DAY & DATE	SUBJECT SEMESTER- IV TIME : 3.00 P.M. TO 5.00 P.M.
Thursday, 12.04.2012	(61654)GL -345- Phanerozoic Stratigraphy Of India & Palaeontology (61454)BO-345 -Botanical Techniques (61154)MT-345-Partial Differential Equations (61354)CH-345-Industrial Chemistry (62254)EL-345- Mathematical Methods and Analysis using MATLAB 61954)MB-345 -Fermentation Technology (61754)ST-345-Operations Research (61254)PH-345-Electronics/Advanced Electronics (61854)GG-345-Geography of Soils (615A4)ZY-345-a) Public Health and Hygiene OR (615B4) ZY- b) Biodiversity (62354)DS-345-Information Technology and National Security (62454) ENV-345-Governance and Equity: EMS, ISO 14000

T.Y.B.Sc. Sem. IV/23

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER – IV
Friday, 13.04.2012	<p>(61664)GL -346 Applied Geology II</p> <p>(61464)BO-346- Pharmacognosy</p> <p>(61164)MT-346-Problem Course on MT 344 and MT 345</p> <p>(613A4) CH-346 (A) Nuclear Chemistry (613B4) (B) Polymer Chemistry (613C4) (C) Bio-Chemistry (613D4) (D)Environmental Chemistry (613E4) (E) Dairy Chemistry</p> <p>EL- 346- Optional Course</p> <p>(622G4) A) Instrumentation</p> <p>(622H4) B) Consumer Electronics</p> <p>(61964)MB-346-Soil and Agricultural Microbiology</p> <p>(617D4) ST-346 (A)Medical Statistics OR (617B4) (B)Statistical Ecology OR (617E4) (C) Statistical Computing Using R software.</p>

T.Y.B.Sc. Sem. IV/24

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER – IV
Friday, 13.04.2012	<p>PH-346 Elective - II (Select any One)</p> <p>(612G4)F: Renewable Energy Sources</p> <p>(612J4) G: Physics of Nanomaterials</p> <p>(612P4)H: Microcontrollers</p> <p>(612D4)I: Electro Acoustics and Entertainment Electronics</p> <p>(612L4) J: Lasers</p> <p>61864)GG-346- Fundamentals of Geoinformatics – Paper II</p> <p>(61564)ZY-346-Genetics and Developmental Biology</p> <p>(623A4)DS-346 (A)Indian Military System. (II) (Optional)</p> <p>(623B4) (B) Maratha Military System. (II) (Optional)</p> <p>(623C4) (C)Indian Wars Since Independence. (II) (Optional)</p> <p>(62464) ENV-346- Environmental Biotechnology-I</p>

T.Y.B.Sc. Sem. IV/25

DAY & DATE	SUBJECT TIME :3.00 P.M. TO 5.00 P.M. SEMESTER- IV
Monday, 16.04.2012	(611E4) MT-347 (A) Optimization Techniques (623D4) DS-347- A. Military Psychology (623E4) B. Defence Journalism and National Security (623F4) C. Defence Preparedness of India (II)
Tuesday, 17.04.2012	(611F4) MT-347 - (B)Improper, Integrals and Laplace Transforms (623G4) DS-348 A. Refugees Studies (623H4) B. Study of United Nations (623J4) C. Laws of War and Peace
Wednesday, 18.04.2012	(611G4) MT-347 (C) C-Programming-II (623K4) DS-349- A. Management of Defence Production and Logistics in India (623L4) B. Internal Security of India (623M4) C. India's Maritime Security (II)

T.Y.B.Sc. Sem. IV/26

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER- IV
Thursday, 19.04.2012	(611H4) MT-347 (D) Dynamics Vocational Paper III (69214) Still Photography and Audio Product-Entrepreneurship Development
Friday, 20.04.2012	(611N4) MT-347 (E) Lebesgue Integration Vocational Paper V : (65654) Industrial Chemistry – Inorganic and Organic based Industries (65754) Biotechnology – Entrepreneurship Development (68054) Still Photography and Audio Product-Entrepreneurship Development (68754) Computer Maintenance-computer Hardware Administration Network (68954) Seed Technology- Entrepreneurship Development (68254) Industrial Microbiology -Entrepreneurship Development (68154) Electronic Equipment & Maintenance – Entrepreneurship Development

T.Y.B.Sc. Sem. IV/27

DAY & DATE	SUBJECT TIME : 3.00 P.M. TO 5.00 P.M. SEMESTER- IV
Saturday, 21.04.2012	611D4) MT-347-(F)Computational Geometry Vocational Paper VI : (65664)-Industrial Chemistry – Inorganic and Organic Based Industries –II (65764)-Biotechnology – Microbial Biotechnology (68064)-Still Photography and Audio Product – Radio Production (68764)-Computer Maintenance– Computer Hardware & Network Administration (68964)-Seed Technology-Biotechnology and Intellectual Property Rights (68264)-Industrial Microbiology-Molecular Biology & Recombinant DNA Technology (68164)-Electronic Equipment & Maintenance – Medical Instrumentation

Notes :

1. The Practical examination of T.Y.B.Sc. will be conducted before theory Examination between 27.2.2012 & 15.03.2012.
2. Backlog students of T.Y.B.Sc. Sem.III & IV (2003 Pattern) will have to appear as per equivalent subjects of 2008 Pattern.

Ganeshkhind,
Pune-411007.
Ref. No. XC/Sci./166
Date: 23.02.2012.

Dr. (Capt.)C.M.Chitale
Controller of Examinations
(Additional Charge)