

**UNIVERSITY OF PUNE****Examination Circular No. 07 of 2012**

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

<b>Sr. No.</b>	<b>Centre Code</b>	<b>College Code</b>	<b>Name of the Colleges</b>
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. <b>[Students of Sanghavi Kesari College, Chinchwad also.]</b>
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. <b>[Students of Sanghavi Kesari College, Chinchwad &amp; S.N.B.P.College of Arts comm.&amp; Sci.Sant Dnyaneshwar Nagar MHADA Colony Ajmera, Morwadi, Pimpri,Pune-18 also.]</b>
21	108	228	Prof. Ramkrishna More College of Arts, Science & Com., Akurdi, 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. <b>(Students of G.S.M.T. Arts, Sci. &amp; Comm. College, Wadmukhwadi, Alandi Road, Pune also)</b>
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**

<b>Sr. No.</b>	<b>Centre Code</b>	<b>College Code</b>	<b>Name of the Colleges</b>
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. <b>[Students Bhairawnath Science College, Khutbav, Tal.-Daund, Dist-Pune also]</b>
50	060	827	Someshwar Science College, Someshwarnagar. Tal. Baramati Dist. Pune.
51	150	823	Maharashtra Academy of Engg. & Educational Research Alandi Devachi, Dist. Pune.
52	001	824	Vishwakarma College of Arts, Comm. & Science, Kondhwa BK., Laxminagar, Pune-48.
53	066	830	Hutama Rajguru Shikshan Prasarak Arts, Comm. & Sci. College Dehane, Tal. Khed, Rajgurunagar.
54	126	844	G.H. Rasoni Educational Research Arts, Sci. & Comm., Computer Science College, Wagholi, Tal. Haveli Dist. Pune.
55	001	866	Pune Jilha Shikshan Mandal's Arts, Science and Commerce College, Pirangut, Tal – Mulshi, Dist – Pune.
56	001	766	MAEER's Arts, Commerce & Sci. College, Pune 411 038

#### AHMEDNAGAR CITY AND AHMEDNAGAR DISTRICT

57	006	018	Ahmednagar College, Ahmednagar. <b>.(Students of Marutirao Ghule Patil Arts Comm.&amp; Sci.College, Nagapur, Ahmednagar.also)</b>
58	006	031	Pemraj Sarda College, Ahmednagar.
59	006	077	New Arts, Sc. & Com. College, Ahmednagar. <b>(Students of Arts Comm. &amp; Science College, Takali-(Khatgaon also).</b>
60	006	199	RSS's Radhabai Kale College for Women, Ahmednagar.
61	021	039	K.J. Somaiya College of Arts, Sc. and Com., Kopargaon.
62	021	042	S.S.G.M. Arts, Sc. & Com. College, Kopargaon.
63	153	689	Karmaveer Shankarrao Kale Edu.Soc.Sau.Sushilamai Kale Arts, Commerce & Science College, Gautam Nagar, Kolpewadi, Dist. AAhmednagar
64	009	022	R.B.N.B. Art, Sci., & Comm.College, Shrirampur, Dist. -Ahmednagar.
65	144	649	Ashok Gramin Shikshan Sanstha's Arts, Com. & Sc. College, Ashoknagar, Tal. Shrirampur.
66	050	095	Padmashri Vikhe-Patil College of Arts, Sc. and Commerce, Pravaranagar.
67	122	246	Arts, Science and Commerce College, Rahata.

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

<b>Sr. No.</b>	<b>Centre Code</b>	<b>College Code</b>	<b>Name of the Colleges</b>
68	134	296	Pravara Rural Education Society's Arts, Science & Commerce College, Kolhar, Tal. Rahata.
69	015	030	S.N. Arts, D.J.M. Com. & B.N.S.Sc.,College, Sangamner.
70	015	201	B.S.T. Arts, Sci. & Com. College, Sangamner. <b>[Students of Sahyadri Bahujan Vidya Prasarak Samaja's Arts, Commerce and Science College, Talegaon- Dighe, Tal – Sangamner, Dist – Ahmednagar also]</b>
71	149	679	Arts, Sci. & Commerce College, Ashvi Khurd, Tal. Sangamner.
72	157	703	Ramesh Phirodia College of Arts, Sci. & Comm. Sakur, Tal. Sangamner.
73	065	117	Dadasaheb Rupwate Arts, Com. and Sc. College, Akole.
74	118	238	Adv. M. N. Deshmukh Arts, Sc. & Com. College, Rajur.
75	029	057	Shri Dnyaneshwar Arts, Sci. & Comm. College, Newasa.
76	109	229	Jijamata College of Science, Dnyaneshwarnagar, Bhende (Bk.) Tal. Newasa., Dist-Ahmednagar.
77	071	124	Arts, Sc. & Com. College, Rahuri.,Dist-Ahmednagar.
78	130	374	Pravara Rural Education Society's Arts, Science & Commerce College, Satral, Tal. Rahuri., Dist-Ahmednagar.
79	068	121	New Arts, Sc. & Com. College, Parner
80	076	140	M.J. Shinde Arts, Sc. & Com. College, Shrigonda., Dist-Ahmednagar.
81	076	145	Shri Chhatrapati Shivaji College of Arts, Sc. & Commerce, Shrigonda.
82	070	123	New Arts, Sc. & Com. College, Shevgaon, Dist-Ahmednagar
83	092	167	Arts, Science & Commerce College, Jamkhed, Dist-Ahmednagar.
84	024	222	Shree Tilok Jain Dnyan Prasarak Mandal's Anand College of Arts & Science, Pathardi., Dist- Ahmednagar.
85	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
86	156	702	Harihareshwar Arts & Science College, Koradgaon, Tal. Pathardi.
87	020	038	Dada Patil Mahavidyalaya, Karjat, Dist-Ahmednagar.
88	145	650	Rural Education Society's Mahatma Phule Arts & Science College, Mirajgaon, Tal. Karjat, Dist-Ahmednagar.
89	171	763	Arts, Com. & Sc. College, Puntamba, Tal. Rahata, Dist-Ahmednagar.
90	169	757	P.R.R.S.'s Arts, Com.& Sc. College, Alkuti, Tal. Parner, Dist-A'Nagar
91	166	745	Arts & Sci. College, Deolali-Pravara, Tal. Rahur, Dist-Ahmednagar.i.
92	167	752	Arts, Sci. & Com. College, Buranpur, Ahmednagar.
93	119	239	A.J.M.V.P.Samaj:s Shri Dhokeshwar College ,Takali-Dhokeshwar ,Tal.-Parner-414304.
94	102	197	Arts, Sc. & Com. College, Sonai, Dist-Ahmednagar.

### NASHIK CITY AND NASHIK DISTRICT

95	003	062	K.T.H.M. Arts, Sc. & Com. College, Nasik.
96	003	105	Loknete Vyankatrao Hiray Mahavidyalaya, Panchavati, Nasik.
97	003	188	C.H.M.E. Society's Bhonsala Military College, Nasik.
98	003	240	N.D.M.V.P. Samaj's Kai. Shantaram K. Wawre Arts, Sc. & Comm. College, Uttamnagar, CIDCO, Nasik.
99	003	015	H.P.T. Arts and R.Y.K. Science College, Nasik.
100	003	250	V. N. Naik Education Society's Arts, Commerce & Science College, Nasik.
101	003	637	Godawari Shikshan Mandali's Kala, Wanijya, Vidnyan & B.C.S. College, Nasik.
102	003	701	K. K. Wagh Education Society's Arts, Com. & Sc. and Computer Science College, Adgaon, Panchawati.
103	018	036	R.N.C. Arts, J.D.B. Com. and N.S.C. Science College, Nasik Road.
104	093	168	Arts, Sc. & Com. College, Deolali Camp.
105	079	138	N.D.M.V.P.S'. Kamveer Punjababa Goverdhane Kala, Wanijya & Science Mahavidyalaya, Near Take Ghoti, Igatpuri.

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

Sr. No.	Centre Code	College Code	Name of the Colleges
106	035	065	Arts, Sc. & Com. College, Sinnar.
107	031	059	K.K. Wagh Arts, Sc. & Com. College, Pimpalgaon-Basawant.
108	057	106	Karmaveer Ganpat Dada More Patil Arts, Com. & Sc. College, Niphad.
109	090	165	Arts, Sc. & Com.College, Ozar (Mig). Nasik.
110	090	181	H.A.L. Science College, Ozar -Township.
111	131	293	N.D.M.V.P.'s College of Sci. Arts & Comm., Saikheda, Tal. Niphad, Dist. Nasik.
112	027	053	Arts, Com. & Sc. College, Lasalgaon.
113	069	122	Arts, Sc. and Com. College, Deola.
114	084	152	Arts, Science & Commerce College, Kalwan.
115	148	683	N.D.M.V.P. Samaj's Arts, Commerce & Science College, Dindori, Nasik. <b>[Students of P.V.G. College of Comm. &amp; Sci. Near Meri Marg Dindori Road, Nasik 422 004.also]</b>
116	026	052	Arts, Science & Commerce College, Satana.
117	089	161	Arts, Sc. & Com. College, Nampur.
118	008	195	J.A.E.T. Sanstha's Arts, Sci. & Com. Mahila Mahavidyalaya, Malegaon.
119	008	220	Smt. Pushpatai Hiray Arts, Sc.& Com. Mahila Mahavidyalaya, Malegaon Camp.
120	008	021	M.S.G. Arts, Sc. & Com. College, Malegaon Camp.
121	034	064	M.G.V.M's Arts, Sc. & Com. College, Manmad.
122	064	116	Arts, Com. & Sc. College, Nandgaon.
123	044	224	Swami Muktanand Science College, Yeola.
124	008	678	The Anjuman Imdadut Tulba Sanstha's Arts, Com. & Sc. (Night) College, Malegaon.
125	044	734	Jagdamba Edu. Society's Arts. Sci. & Com. College, Manmad Rd., Yeola.
126	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
127	173	765	K. K. Wagh Arts, Com. & Sc. & Comp. Sc. College, Bhausaheb Nagar, Niphad, Nasik.
128	176	774	K.K. Wagh Education Society Arts, Com., Sc. & Computer Sc. College, Kakasaheb Nagar, Niphad, Nashik
129	185	821	S.S.R M.T. Arts, Com. & Sc. College, Sanjibhai Delkar Marg, Saily Silvassa, Silvassa-396230

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

DAY & DATE	SUBJECT ( GEOLOGY ) TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –IV
Thursday, 04.10.2012	(61614)GL-341-Metamorphic Petrology
Friday, 05.10.2012	(61624)GL -342 Environmental Geology
Saturday, 06.10.2012	(61634)GL -343 -Economic Geology
Monday, 08.10.2012	(61644)GL -344-Geotectonics
Tuesday, 09.10.2012	(61654)GL -345- Phanerozoic Stratigraphy of India & Palaeontology
Wednesday, 10.10.2012	(61664)GL -346- Applied Geology II
DAY & DATE	TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –III
Friday, 19.10.2012	(61613) GL-331 - Mineralogy
Saturday, 20.10.2012	(61623) GL-332 - Igneous Petrology
Monday, 22.10.2012	(61633) GL-333- Sedimentary Petrology
Tuesday, 23.10.2012	(61643) GL-334- Structural Geology
Thursday, 25.10.2012	(61653) GL-335 -Precambrian Stratigraphy of India
Saturday, 27.10.2012	(61663) GL-336- Applied Geology I
DAY & DATE	SUBJECT ( BOTANY ) TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –IV
Thursday, 04.10.2012	(61414)BO-341- Plant Physiology and Biochemistry
Friday, 05.10.2012	(61424)BO-342-Plant Pathology
Saturday, 06.10.2012	(61434)BO-343-Pteridophytes, Gymnosperms and Palaeobotany
Monday, 08.10.2012	(61444)BO-344-Plant Biotechnology
Tuesday, 09.10.2012	(61454)BO-345 -Botanical Techniques
Wednesday, 10.10.2012	(61464)BO-346- Pharmacognosy
DAY & DATE	TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –III
Friday, 19.10.2012	(61413) BO-331 - Algae, Fungi and Bryophytes
Saturday, 20.10.2012	(61423) BO-332- Molecular Biology
Monday, 22.10.2012	(61433) BO-333 - Angiosperms and Evolution
Tuesday, 23.10.2012	(61443) BO-334 -Genetics and Plant Breeding
Thursday, 25.10.2012	(61453) BO-335 - Biometry and Computer Applications
Saturday, 27.10.2012	(61463) BO-336 Cell Biology and Seed technology



**T.Y.B.Sc. Sem. III & IV /9**

<b>DAY &amp; DATE</b>	<b>SUBJECT ( CHEMISTRY )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –IV</b>
Thursday, 04.10.2012	(61314)CH-341-Physical Chemistry
Friday, 05.10.2012	(61324)CH-342-Inorganic Chemistry
Saturday, 06.10.2012	(61334)CH-343-Organic Chemistry
Monday, 08.10.2012	(61344)CH-344-Analytical Chemistry
Tuesday, 09.10.2012	(61354)CH-345-Industrial Chemistry
Wednesday, 10.10.2012	(613A4) CH-346 (A) Nuclear Chemistry (613B4) (B) Polymer Chemistry (613C4) (C) Bio-Chemistry (613D4) (D)Environmental Chemistry (613E4) (E) Dairy Chemistry
<b>DAY &amp; DATE</b>	<b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Friday, 19.10.2012	(61313) CH-331 - Physical Chemistry
Saturday, 20.10.2012	(61323) CH-332 - Inorganic Chemistry
Monday, 22.10.2012	(61333) CH-333- Organic Chemistry
Tuesday, 23.10.2012	(61343) CH-334 Analytical Chemistry
Thursday, 25.10.2012	(61353) CH-335 - Industrial Chemistry
Saturday, 27.10.2012	(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
<b>DAY &amp; DATE</b>	<b>SUBJECT ( ELECTRONICS )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –IV</b>
Thursday, 04.10.2012	(62214)EL-341- Advanced Communication Systems
Friday, 05.10.2012	(62224)EL-342-Embedded systems
Saturday, 06.10.2012	(62234)EL-343-Power Electronics
Monday, 08.10.2012	(62244)EL-344-Electronic Materials and Devices
Tuesday, 09.10.2012	(62254)EL-345- Mathematical Methods and Analysis using MATLAB
Wednesday, 10.10.2012	<b>EL- 346- Optional Course</b> (622G4) A) Instrumentation (622H4) B) Consumer Electronics
<b>DAY &amp; DATE</b>	<b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Friday, 19.10.2012	(62213) EL-331- Advanced Digital System design
Saturday, 20.10.2012	(62223) EL-332 - Microcontrollers
Monday, 22.10.2012	(62233 ) EL-333- Analog Circuit Design and Application of Linear IC's
Tuesday, 23.10.2012	(62243) EL-334- Foundation of Nanoelectronics
Thursday, 25.10.2012	(62253) EL-335 - 'C' Programming
Saturday, 27.10.2012	Optional - II (Only for EL – 336) (622F3) EL-336 (A)Fiber Optics and fiber optic Communication (622G3) EL-336 (B)Sensor & Actuators

**T.Y.B.Sc. Sem. III & IV /10**

<b>DAY &amp; DATE</b>	<b>SUBJECT ( MICROBIOLOGY )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –IV</b>
Thursday, 04.10.2012	(61914)MB-341- Medical Microbiology
Friday, 05.10.2012	(61924)MB-342-Genetics & Molecular Biology
Saturday, 06.10.2012	(61934)MB-343- Metabolism
Monday, 08.10.2012	(61944)MB-344 –Immunology
Tuesday, 09.10.2012	(61954)MB-345 -Fermentation Technology
Wednesday, 10.10.2012	(61964)MB-346-Soil and Agricultural Microbiology
<b>DAY &amp; DATE</b>	<b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Friday, 19.10.2012	(61913) MB-331- Medical Microbiology-I
Saturday, 20 .10.2012	(61923) MB-332 - Genetics & Molecular Biology -I
Monday, 22.10.2012	(61933) MB-333- Enzymology
Tuesday, 23.10.2012	(61943) MB-334 -Immunology
Thursday, 25.10.2012	(61953) MB-335- Fermentation Technology-I
Saturday, 27.10.2012	(61963)MB-336- Food & Dairy Microbiology

<b>DAY &amp; DATE</b>	<b>SUBJECT ( MATHEMATICS )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –IV</b>
Thursday, 04.10.2012	(61114)MT-341 -Metric Spaces
Friday, 05.10.2012	(61124)MT-342 -Complex Analysis
Saturday, 06.10.2012	(61134)MT-343 -Problem Course on MT 341 and MT 342
Monday, 08.10.2012	(61144)MT-344- Ring Theory
Tuesday, 09.10.2012	(61154)MT-345-Partial Differential Equations
Wednesday, 10.10.2012	(61164)MT-346-Problem Course on MT 344 and MT 345
Thursday, 11.10.2012	(611E4) MT-347 (A) Optimization Techniques
Friday, 12.10.2012	(611F4) MT-347 - (B)Improper, Integrals and Laplace Transforms
Saturday, 13,10,2012	(611G4) MT-347 (C) C-Programming-II
Monday, 15.10.2012	(611H4) MT-347 (D) Dynamics
Wednesday, 17.10.2012	(611N4) MT-347 (E) Lebesgue Integration
Thursday, 18.10.2012	(611D4) MT-347- (F) Computational Geometry
<b>DAY &amp; DATE</b>	<b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Friday, 19.10.2012	(61113) MT-331- Set Theory and Logic
Saturday, 20.10.2012	(61123) MT-332 - Real Analysis
Monday, 22.10.2012	(61133) MT-333 - Problem Course on MT-331 and MT-332
Tuesday, 23.10.2012	(61143) MT-334 -Group Theory
Thursday, 25.10.2012	(61153) MT-335 -Ordinary Differential Equations
Saturday, 27.10.2012	(61163) MT-336 -Problem Course on MT-334 and MT-335
Monday, 29.10.2012	(611A3) MT-337- (A) Operations Research
Tuesday, 30.10.2012	(611E3) MT-337- (B) Lattice Theory
Wednesday, 31.10.2012	(611F3) MT-337- (C)C-Programming-I
Thursday, 01.11.2012	(611P3) MT-337 (D)Differential Geometry
Friday, 02.11.2012	(611D3) MT-337 -(E) Combinatorics
Saturday, 03.11.2012	(611N3) MT-337 -(F)Number Theory

**T.Y.B.Sc. Sem. III & IV /11**

DAY & DATE	<b>SUBJECT ( STATISTICS )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –IV</b>
Thursday, 04.10.2012	(61714)ST-341-Distribution Theory- II
Friday, 05.10.2012	(61724) ST -342- Testing of Hypothesis
Saturday, 06.10.2012	(61734)ST-343-Statistical process Control (off line Methods)
Monday, 08.10.2012	(61744)ST-344-Sampling Methods
Tuesday, 09.10.2012	(61754)ST-345-Operations Research
Wednesday, 10.10.2012	(617D4) ST-346 (A)Medical Statistics OR (617B4) (B)Statistical Ecology OR (617E4) (C) Statistical Computing Using R software.

DAY & DATE	<b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Friday, 19.10.2012	(61713) ST-331 - Distribution Theory-I
Saturday, 20.10.2012	(61723) ST-332 -Theory of Estimation
Monday,22.10.2012	(61733) ST-333-StatisticalProcess Control (Online Methods)
Tuesday,23.10.2012	(61743) ST-334 - Design Experiments
Thursday,25.10.2012	(61753) ST-335 ‘C’ Programming (Turbo ‘C’)
Saturday, 27.10.2012	(617A3) -ST-336- (A)Operations Management OR (617B3)- (B)Actuarial Statistics OR (617D3)- (C)Time Series Analysis

DAY & DATE	<b>SUBJECT ( PHYSICS )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –IV</b>
Thursday, 04.10.2012	(61214)PH-341-Solid State Physics
Friday, 05.10.2012	(61224)PH-342-Quantum Mechanics
Saturday, 06.10.2012	(61234)PH-343-Thermodynamics and Statistical Physics
Monday, 08.10.2012	(61244)PH-344-Nuclear Physics
Tuesday, 09.10.2012	(61254)PH-345-Electronics/Advanced Electronics
Wednesday, 10.10.2012	<b>PH-346 Elective - II (Select any One)</b> (612G4)F: Renewable Energy Sources (612J4) G: Physics of Nanomaterials (612P4)H: Microcontrollers (612D4)I: Electro Acoustics and Entertainment Electronics (612L4) J: Lasers

DAY & DATE	<b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Friday, 19.10.2012	(61213) PH-331 - Mathematical Methods in Physics
Saturday, 20.10.2012	(61223) PH-332- Classical Electrodynamics Electrodynamics
Monday,22.10.2012	(61233) PH-333 Classical Mechanics
Tuesday,23.10.2012	(61243) PH-334 - Atomic & Molecular Physics
Thursday,25.10.2012	(61253) PH-335- ‘C’ Programming & Computational Physics
Saturday, 27.10.2012	PH-336 Elective I : (Select any One) (612A3) PH-336- (A) Astronomy and Astrophysics-I (612L3)- (B) Elements of Materials Science (612F3)- (C) Motion Picture Physics (612B3)- (D) Biophysics (612J3)- (E) Medical Electronics

**T.Y.B.Sc. Sem. III & IV /12**

<b>DAY &amp; DATE</b>	<b>SUBJECT ( GEOGRAPHY ) TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –IV</b>
Thursday, 04.10.2012	(61814)GG-341-Principles and Techniques of Watershed Management Paper II
Friday, 05.10.2012	(61824)GG-342-Geography of Travel &Tourism
Saturday, 06.10.2012	(61834)GG-343-Fundamental of Geoinformatics – Paper II
Monday, 08.10.2012	(61844)GG-344-India – A Geographical Study
Tuesday, 09.10.2012	(61854)GG-345-Geography of Soils
Wednesday, 10.10.2012	(61864)GG-346- Fundamentals of Geoinformatics – Paper II
<b>DAY &amp; DATE</b>	<b>TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –III</b>
Friday, 19.10.2012	(61813) GG-331 - Principles and Techniques
Saturday, 20.10.2012	(61823) GG-332 - Geography of Travel Tourism
Monday,22.10.2012	(61833) GG-333- Fundamentals of Geo-Informatics Part-I
Tuesday,23.10.2012	(61843) GG-334 - India Geographical Study
Thursday,25.10.2012	(61853) GG-335- Geography of Soils
Saturday, 27.10.2012	(61863) GG-336- Fundamentals of Geo-Informatics Part-II
<b>DAY &amp; DATE</b>	<b>SUBJECT ( ZOOLOGY ) TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –IV</b>
Thursday, 04.10.2012	(61514)ZY-341-Biotechnology
Friday, 05.10.2012	(61524)ZY-342-Mammalian Physiology and Endocrinology
Saturday, 06.10.2012	(61534)ZY-343-Molecular Biology
Monday, 08.10.2012	(61544)ZY-344-Organic Evolution
Tuesday, 09.10.2012	(615A4)ZY-345-a) Public Health and Hygiene OR (615B4)ZY- b) Biodiversity
Wednesday, 10.10.2012	(61564)ZY-346-Genetics and Developmental Biology
<b>DAY &amp; DATE</b>	<b>TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –III</b>
Friday, 19.10.2012	(61513) ZY-331 - General Zoology
Saturday, 20.10.2012	(61523) ZY-332 - Mammalian Histology
Monday,22.10.2012	(61533) ZY-333 - Biological Chemistry
Tuesday,23.10.2012	(61543) ZY-334- Environmental Biology and Toxicology
Thursday,25.10.2012	(615A3) ZY-335 -(a)General Pathology OR (615B3) ZY-335 -(b)Basic Entomology
Saturday, 27.10.2012	(61563) ZY-336 – (c) Cell Biology

**T.Y.B.Sc. Sem. III & IV /13**

<b>DAY &amp; DATE</b>	<b>SUBJECT ( DEFENSE STUDIES )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –IV</b>
Thursday, 04.10.2012	(62314)DS-341-Management of Military Technology in India
Friday, 05.10.2012	(62324)DS-342-Economic Aspects of War
Saturday, 06.10.2012	(62334)DS-343-Disaster Management
Monday, 08.10.2012	(62354)DS-345-Information Technology and National Security
Tuesday, 09.10.2012	(623A4)DS-346 (A) Indian Military System. (II) (Optional) (623B4) (B) Maratha Military System. (II) (Optional) (623C4) (C)Indian Wars Since Independence. (II) (Optional)
Wednesday,10.10.2012	(623D4) DS-347- A. Military Psychology (623E4) B. Defence Journalism and National Security (623F4) C. Defence Preparedness of India (II)
Thursday, 11.10.2012	(623G4) DS-348 A. Refugees Studies (623H4) B. Study of United Nations (623J4 ) C. Laws of War and Peace
Friday, 12.10.2012	(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)
<b>DAY &amp; DATE</b>	<b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Friday, 19.10.2012	(62313) DS-331 - Science Technology and National Security
Saturday, 20.10.2012	(62323) DS-332 - Defence Economics
Monday,22.10.2012	(62333) DS-333 - Study of Disaster
Tuesday,23.10.2012	(62343) DS-334 - Research Methology
Thursday,25.10.2012	(62353) DS-335 -Computer Application in Defence Management
Saturday, 27.10.2012	(623A3) -DS-336- (A) Indian Military System-I (623B3) - (B) Maratha Military System-I (623C3)- (C) Indian War since Independence-I
Monday, 29.10.2012	(623D3)- DS-337- (A) Military Sociology (623E3) - (B) Defence Journalism (623F3) (C) Defence Preparedness of India
Tuesday, 30.10.2012	(623G3) DS-338- (A)Armed Conflict and Human Rights (623H3) (B) International Organisation and National Security (623J3) (C) International Law
Wednesday, 31.10.2012	(623K3) DS-339 (A) Defence Management in India (623L3) (B) Internal Security of India (623M3) (C) India's Maritime Security

**T.Y.B.Sc. Sem. III & IV /14**

DAY & DATE	<b>SUBJECT ( ENVIRONMENTAL SCIENCE )</b> TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –IV
Thursday, 04.10.2012	(62414) ENV-341- Aquatic Ecosystems and Management
Friday, 05.10.2012	(62424) ENV-342- Natural Conservation
Saturday, 06.10.2012	(62434) ENV-343-Air and soil Quality
Monday, 08.10.2012	(62444) ENV-344 - Issues in Environmental Science
Tuesday, 09.10.2012	(62454) ENV-345-Governance and Equity:EMS, ISO 14000
Wednesday, 10.10.2012	(62464) ENV-346- Environmental Biotechnology-I
DAY & DATE	TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –III
Friday, 19.10.2012	(62413) ENV-301 Terrestrial Ecosystems and Management
Saturday, 20.10.2012	(62423) ENV-302 -Wildlife biology
Monday, 22.10.2012	(62433) ENV-303 - Water Quality
Tuesday, 23.10.2012	(62443) ENV-304 - Issues in Environmental Sci.
Thursday, 25.10.2012	(62453) ENV-305 -Environmental Governance and Equity Law and ethics
Saturday, 27.10.2012	(62463) ENV-306 - Environmental Biotechnology-1

DAY & DATE	<b>SUBJECT ( VOCATIONAL PAPERS )</b> TIME : 2.30 P.M. TO 4.30 P.M. SEMESTER –IV
Monday,15.10.2012	<b>Vocational Paper III</b> (69214) Still Photography and Audio Product-Entrepreneurship Development
Wednesday,17.10.2012	<b>Vocational Paper V :</b> (65654) Industrial Chemistry – Inorganic and Organic based Industries (65754) Biotechnology –Entrepreneurship Development (68054) Still Photography and Audio Product-Entrepreneurship Development (68754) Computer Maintenance-omputer Hardware Administration Network (68954) SeedTechnology- Entrepreneurship Development (68254) Industrial Microbiology -Entrepreneurship Development (68154) Electronic Equipment & Maintenance – Entrepreneurshi Development
Thursday, 18.10.2012	<b>Vocational Paper VI :</b> (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

**T.Y.B.Sc. Sem. III & IV /15**

<b>DAY &amp; DATE</b>	<b>SUBJECT ( VOCATIONAL PAPERS )</b> <b>TIME : 2.30 P.M. TO 4.30 P.M.</b> <b>SEMESTER –III</b>
Thursday,01.11.2012	<b>Vocational Paper V :</b> (65653) Industrial Chemistry – Industrial Methods of Chemical Analysis (65753) Biotechnology - Plant Biotechnology (68053) Still Photography and Audio Visual Product – Video Recording and Playback Systems (68753) Computer Maintenance – Computer Computer/IT Service Management & Entrepreneurship Development (68953) Seed Technology - Seed Pathology & Entomology (68253) Industrial Microbiology – Pollution Control Technology (68153) Electronic Equipment & Maintenance – Electronic Equipment troubleshooting and repairs
Friday,02.11.2012	<b>Vocational Paper VI :</b> (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

**Notes :**

1. The Practical examination of T.Y.B.Sc. will be conducted before theory Examination between 05.09.2012 & 27.09.2012.
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./ 939  
Date: 07.09.2012.

**Dr.(Smt.) Sampada Joshi**  
**Controller of Examinations**