

**UNIVERSITY OF MUMBAI**  
**M. Sc (PART – II) PRACTICAL EXAMINATION NOVEMBER – 2011**  
**IN ANALYTICAL CHEMISTRY**

**CENTRE: DEPARTMENT OF CHEMISTRY**  
**RAMNARAIN RUIA COLLEGE**  
**MATUNGA, MUMBAI 400 019**

**TIME: 09.30 a.m. TO 12.30 p.m. & 01.30 a.m. TO 04.30 p.m**

(Candidates appearing from. .G.M.Momin, University Dept. of Chemistry, Ruparel, ,K.C.,  
 G.N.Khalsa, Institute of science)

BATCH	DAY AND DATE	GROUP I	GROUP II	GROUP III
I	THURSDAY 17/11/2011	171,403,405, 407,408,474 476,478		
I	FRIDAY 18/11/2011		171,403,405, 407,408,474 476,478	
I	SATURDAY 19/11/2011			171,403,405, 407,408,474 476,478

**CENTRE: DEPARTMENT OF CHEMISTRY**  
**GOGATE – JOGLEKAR COLLEGE**  
**RATNAGIRI**

**TIME: 09.00 A.M. TO 12.00 NOON & 01.00 P.M. TO 04.00 P.M.**

(Candidates appearing from.....GOGATE –JOGALEKAR COLLEGE, RATNAGIRI,  
 UNIVERSITY SUBCENTER AND S.H.KELKAR COLLEGE .DEVGAD)

BATCH	DAY AND DATE	GROUP I	GROUP II	GROUP III
I	TUESDAY 15/11/2011	517,518,520 522,527,528 529,531,533 643		
I	WEDNESDAY 16/11/2011		517,518,520 522,527,528 529,531,533 643	
I	THURSDAY 17/11/2011			517,518,520 522,527,528 529,531,533 643

**MUMBAI: 400 098**  
**15<sup>th</sup> October, 2011**

**Prof. Vilas B. Shinde**  
**Controller of Examination**

**UNIVERSITY OF MUMBAI**  
**M. SC. (PART II) EXAMINATION NOVEMBER, 2011**  
**PROGRAMME OF THE PRACTICAL EXAMINATION IN PHYSICAL CHEMISTRY**

Place: **Institute of Science,**  
 Madam Cama Road,  
 Mumbai – 400 032.

Time: Session I: **09.30 to 12.30 hrs.**  
 Session II: **13.30 to 16.30 hrs.**

Group I: **(One major experiment of 6 h duration)** Distribution methods, Phase equilibrium, Reaction Kinetics, Cryoscopy

Group II: **(Two minor experiments each of 3 h duration)** Solubility, Viscosity measurements, Transport Number, Surface Chemistry, Spectrophotometry, Potentiometry, pH metry, Voltammetry, Magnetic Susceptibility

Group III: **Interpretation of Spectra/ Data**

Group IV: **Presentation of Project Work, Viva-Voce**

**(Candidates appearing from Khalsa, Somani, Ismail Yusuf, Jai Hind and  
 Uni. Sub Centre- Ratnagiri)**

Session	Thursday 17 <sup>th</sup> November, 2011		Friday 18 <sup>th</sup> November, 2011	Saturday 19 <sup>th</sup> November, 2011
	Group III	Group IV	Group I	Group II
I	8, 175, 410	179, 180, 535	8, 175, 179, 180, 410, 535	8, 175, 179, 180, 410, 535
II	179, 180, 535	8, 175, 410		

**N.B.**

1. The candidate should be present at least 15 minutes prior to the examination.
2. Candidates who fail to present themselves at the time and place appointed for their practical or oral examination will be considered absent.
3. Students should bring their college identity card if the hall tickets are not issued by the time of practical examinations.
4. Mobile phones are strictly prohibited in the examination hall.

**Mumbai – 400 098**  
**21<sup>st</sup> October, 2011.**

**Prof. Vilas B. Shinde**  
**Controller of Examinations**

**UNIVERSITY OF MUMBAI**  
**M.SC.(PART II) EXAMINATION NOVEMBER, 2011**  
**PROGRAMME OF THE PRACTICAL EXAMINATION IN INORGANIC CHEMISTRY**

Place : **Department of Chemistry**  
**K. J. Somaiya College of Science & Commerce,**  
 Vidyavihar,  
 Mumbai-400 077.

Time : **9.00 to 12.00 and 13.00 to 16.00 hrs.**

(Candidates appearing from **Siddharth, Institute of Science, Patkar, SIES,**  
**K.V.Pendharkar, KBP-Vashi, UD Chem, KMC-Khopoli**  
**Sub-Centre – Ratnagiri**)

<b>Date</b>	<b>Group I</b>	<b>Group II</b>	<b>Group III</b>
17/11/2011	43, 132, 139, 370, 372, 373, 133, 40	283, 367, 374, 129, 368, 581, 507, 509	--
18/11/2011	--	43, 132, 139, 370, 372, 373, 133, 40	283, 367, 374, 129, 368, 581, 507, 509
19/11/2011	283, 367, 374, 129, 368, 581, 507, 509	--	43, 132, 139, 370, 372, 373, 133, 40

**Group I : [A] Ore/Alloy Analysis + [F] Commercial analysis + [H] Journal**

**Group II : [D] Inorganic preparation + [C] Coordination Chemistry + [E] Viva-voce**

**Group III : [B] Separation Technique + [G] Project**

**N.B.**

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Mumbai – 400 098  
 25<sup>th</sup> October 2011.

Prof. Vilas B. Shinde  
 Controller of Examinations

**UNIVERSITY OF MUMBAI**

M. Sc. (PART II) EXAMINATION NOVEMBER 2011  
 PROGRAMME OF THE PRACTICAL EXAMINATION IN **BIOPHYSICS**

PLACE : DEPARTMENT OF BIOPHYSICS,  
 UNIVERSITY OF MUMBAI,  
 VIDYANAGARI,  
 MUMBAI - 400 098.

TIME : 10.00 am to 6.00 pm

<b>Date</b>	<b>Paper No.</b>	<b>Candidates No.</b>
18 <sup>th</sup> & 19 <sup>th</sup> November, 2011	Practical Paper I & II	93 Total Candidate = 1

N.B.

1. The candidate should be present at least 15 minutes prior to the examination.
2. The candidate should carry with them duly certified journal.
3. The candidates are allowed to use calculators, reference books, printed or cyclostyled materials which should not contain experimental data or results during the practical examination.
4. Candidates who fail to present themselves at the time and place appointed for their practical or oral examination will be considered absent.
5. Students should bring their college identity card if the hall tickets are not issued by the time of practical examinations.
6. Mobile phones are strictly prohibited in the examination hall.

Mumbai - 400 098  
 4<sup>th</sup> November, 2011

Prof. Vilas B. Shinde  
 Controller of Examinations

**UNIVERSITY OF MUMBAI**

M. Sc. (PART – II) EXAMINATION NOVEMBER, 2011  
PROGRAMME OF THE PRACTICAL EXAMINATION  
**INFORMATION TECHNOLOGY**

**INSTRUCTION TO CANDIDATES**

1. Every student will have to give Practical examination for two papers and a project. The order of papers, date and session will be indicated in the time table. There will be two sessions per day.

**Afternoon Session – II : 1.30 am to 5.30 pm.**

2. Candidate should be present at the place of their examination at least 20 minutes before the commencement of the examination.
3. Candidate should bring with them their certified ORIGINAL copy of journal / project for all the papers. It should bear your Examination seat number on cover.
4. Candidate will not be allowed to keep any books, notes or papers with them except writing instruments and ruler at the time of examination.
5. Mobiles or any kind of storage devices such as thumb / pen drives, CD's, floppy disk will not be allowed in the laboratory during examination.
6. Read the question in the practical slip carefully and perform the experiment that is required.
7. If there is anything in the setup of software that you don't know ask the examiner to help you.
8. The program codes as well as the output should be shown to the examiner for verification and assessment. The necessary hard copy of codes / output should be stapled to the answer sheet.
9. The candidate will be examined individually and should not leave the laboratory till they are allowed to do so by the Examiners.

Mumbai – 400 098  
31<sup>st</sup> October, 2011.

Prof. Vilas B. Shinde  
Controller of Examinations

**UNIVERSITY OF MUMBAI**

M. SC. (PART-II) EXAMINATION NOVEMBER 2011  
 PROGRAMME OF THE PRACTICAL EXAMINATION IN  
**MICROBIOLOGY**

**Place : RUIA COLLEGE**

**Time : 10.00 a.m. to 05.00 p.m.**

**(Candidates appearing from Ruia, Khalsa, K.J. Somaiya, MMDC (Mithibai) and  
 KBP-Vashi College)**

<b>Batch</b>	<b>Date</b>	<b>Candidates Nos.</b>
<b>Batch I</b>	23 <sup>rd</sup> , 24 <sup>th</sup> , 25 <sup>th</sup> & 26 <sup>th</sup> November, 2011	69, 70 .....RUIA
		191 .....KHALSA
		301 .....K.J. SOMAIYA
		413 .....MMDC(MITHIBAI)
		414 .....KBP-VASHI
		Total Candidates No. = 6

**N.B.**

1. The candidate should be present at least 15 minutes prior to the examination.
2. The candidate should carry with them duly certified journal.
3. The candidates are allowed to use calculators, reference books, printed or cyclostyled materials which should not contain experimental data or results during the practical examination.
4. Candidates who fail to present themselves at the time and place appointed for their practical or oral examination will be considered absent.
5. Students should bring their college identity card if the hall tickets are not issued by the time of practical examinations.
6. Mobile phones are strictly prohibited in the examination hall.

Mumbai – 400 098  
 31<sup>st</sup> October, 2011.

Prof. Vilas B. Shinde  
 Controller of Examinations

**UNIVERSITY OF MUMBAI**

M. Sc. (PART II) EXAMINATION NOVEMBER, 2011  
**PROGRAMME OF THE PRACTICAL EXAMINATION IN STATISTICS**

**Place :** **Statistical Laboratory,**  
**Department of Statistics,**  
 University of Mumbai, Vidyanagari,  
 Santacruz (E), Mumbai – 400 098

Day & Date	Batch	Scheme	Time	Paper	Nos. of Candidates
Monday 14 <sup>th</sup> Nov, 2011	I	A (External)	11. a.m. To 2.00 p.m.	Paper – X Section-I (Based on paper-VI & Paper – VII)	109 110 111 256 341 342 343
Tuesday 14 <sup>th</sup> Nov 2011	----	A (External)	11. a.m. To 2.00 p.m	Paper- X Section-II (Based on paper – Bio-Statistics, SPC & Survival analysis)	341
	----	A (External)	11.00 a.m. To 1.00 p.m.	Paper- X Section-II (Based on SPC Survival Analysis)	109 110 111 256 342 343
Wednesday 16 <sup>th</sup> Nov 2011	I	A (External)	11.00 a.m. To 12.00 noon	Paper- X Section-II (Based on Data Mining)	109 110 111 256 342 343

N.B.

1. Candidates appearing for the practical examination are requested to submit the record of their **PRACTICAL WORK AND PROJECT REPORT** to the examiners at the time of the examination.
2. Candidates must be present at the place of the examination at least 15 minutes before the commencement of the examination.
3. Candidates who fail to present themselves at the time and place appointed for their practical or oral examination will not be examined Practically or Orally.
4. Mobile phones are strictly prohibited in the examination hall.

Mumbai – 400 098  
 7<sup>th</sup> November, 2011.

Prof. Vilas B. Shinde  
 Controller of Examinations

**UNIVERSITY OF MUMBAI**

M.Sc. (PART II) PRACTICAL EXAMINATION, NOVEMBER 2011

**PROGRAMME OF THE PRACTICAL EXAMINATION IN NUCLEAR PHYSICS**

Place :- **Department of Physics,**  
**University of Mumbai**  
 Vidyanagari,  
 Mumbai-400098

<b>Date</b>	<b>Time</b>	<b>Candidate Nos.</b>
17/11/2011	09.00 am to 01.00 pm	257 258 259 261 344
18/11/2011		
19/11/2011		

**N.B.**

1. The candidate should be present at least 15 minutes prior to the examination.
2. The candidate should carry with them duly certified journal.
3. The candidates are allowed to use calculators during the practical examination.
4. Candidates who fail to present themselves at the time and place appointed for their practical or oral examination will be considered absent.
5. Mobile phones are strictly prohibited in the examination hall.

Mumbai – 400 098  
 9<sup>th</sup> November, 2011.

Prof. Vilas B. Shinde  
 Controller of Examinations