# APPENDIX “A-4”

**B.Sc. Bio-informatics/Bio-tech.**

**PANJAB UNIVERSITY, CHANDIGARH**

**DATE-SHEET FOR B.SC. (BIOINFORMATICS/BIOTECHNOLOGY) 1ST, 2ND AND 3RD YEAR ANNUAL PRACTICAL EXAMINATION TO BE HELD IN MARCH, 2013**

**(PRACTICAL EXAMINATIONS)**

**TIMINGS- 9.00 A.M. TO 12 NOON (M)**

**2.00 P.M. TO 5.00 P.M. (E)**

<table>
<thead>
<tr>
<th>Date &amp;Day</th>
<th>B.Sc. 1st Year</th>
<th>B.Sc. 3rd Year</th>
<th>B.Sc. 2nd Year</th>
</tr>
</thead>
</table>
| 13th MARCH, 2013 | 1. BIOT-103: Physics (Basic & Applied)  
2. BIN- 1055: Physics (Basic & Applied) | BIOT- 301: Genetic Engineering and recombinant DNA technology  
BIN- 3051: Introduction to PERL Programming | BIOT-201: Biochemistry  
BIN- 2051: Fundamentals of Molecular Biology & Genetic Engineering |
| 14th MARCH, 2013 | 1. BIOT- 104: Chemistry  
2. BIN- 1053 Chemistry | BIOT- 302: Tools in Bioinformatics  
BIN-2052: Computational Methods in Bio-molecular Sequence Analysis |
| 15th MARCH, 2013 | 1. BIOT- 105 (a): Life Sciences  
OR  
BIOT-105 (b): Mathematics  
2. BIN- 1051: Life Sciences  
OR  
BIN- 1052: Mathematics | BIOT- 303: Animal Tissue Culture & Animal Biotechnology  
BIN- 3053: Introduction to Proteins & Proteomics | BIOT-203: Biophysical and Biochemical Techniques  
BIN-2053: Object Oriented Programming Using C++ |
| 16th MARCH, 2013 | 1. BIOT- 106: Statistics and Computer Fundamentals  
BIN-3054: Principles of Genetics | BIOT-204: Immunology  
BIN-2054: Computer Operational System and Organization |
| 18th MARCH, 2013 | 1. BIOT- 107: General Microbiology  
2. BIN- 1056: ‘C’ Language and Programming | BIOT-305: Bioprocess Engineering  
BIN- 3055 Bio-Chemical & Molecular Biology Techniques | BIOT-205: Plant Tissue Culture and Biotechnology  
BIN-2055: Statistical Methods |
| 19th MARCH, 2013 | 1. BIOT- 108: Cell Biology  
2. BIN- 1057: Introduction to Biochemistry & Bioinformatics | BIOT-306: Food Biotechnology  
BIN-3056 Cell Biology and Immunology | BIOT-206: Agro and Industrial Biotechnology  
BIN- 2056: Physical Chemistry |

**NOTE:**

1. THE CANDIDATES BE ASKED TO NOTE THE DATE AND TIME OF VARIOUS PRACTICAL EXAMINATIONS AND THEIR SIGNATURES BE OBTAINED IN TOKEN OF HAVING NOTED THE SAME.
2. IT MAY BE GOT NOTED FROM THE CANDIDATES THAT AT THE TIME OF PRACTICAL EXAMINATION, THEY ARE REQUIRED TO PRESENT THEIR PRACTICAL NOTE-BOOKS IN VARIOUS SUBJECTS TO THEIR RESPECTIVE EXAMINERS.
3. ON THE JOB TRAINNING VIVA AND PROJECT PRACTICAL EXAMINATIONS BE CONDUCTED WITHIN SCHEDULED DATES i.e. 05.03.2013 to 19.03.2013.

**CHANDIGARH: 160014**

**DATED: 31.01.2013**

**DR. PAVINDER SINGH**

**CONTROLLER OF EXAMINATIONS**
## PANJAB UNIVERSITY, CHANDIGARH

DATE-SHEET FOR B.Sc. (BIOINFORMATICS/BIO-TECHNOLOGY) 1st, 2nd AND 3rd YEAR COMPARTMENT
PRACTICAL EXAMINATION TO BE HELD IN MARCH, 2013

(PRACTICAL EXAMINATIONS)

**TIMINGS- 9.00 A.M. TO 12 NOON (M) 2.00 P.M. TO 5.00 P.M. (E)**

<table>
<thead>
<tr>
<th>Date &amp; Day</th>
<th>B.Sc. 1st Year</th>
<th>B.Sc. 3rd Year</th>
<th>B.Sc. 2nd Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>12th MARCH, 2013</td>
<td></td>
<td></td>
<td>BIOT-201: Physical Chemistry(Old Syllabus)</td>
</tr>
</tbody>
</table>

**NOTE:**

1. IN VIEW OF THE SIMULTANEOUS DATES OF REGULAR AND REAPPEAR CANDIDATES THE PRACTICAL EXAMINATIONS IN CERTAIN SUBJECTS THE PRINCIPALS ARE REQUESTED TO MAKE GROUPING OF CANDIDATES IN SUCH A WAY THAT EXAMINATION IN TWO SUBJECTS OF A CANDIDATE IS NOT FIXED ON ONE AND THE SAME TIME.
2. THE CANDIDATES BE ASKED TO NOTE THE DATE AND TIME OF VARIOUS PRACTICAL EXAMINATIONS AND THEIR SIGNATURES BE OBTAINED IN TOKEN OF HAVING NOTED THE SAME.
3. IT MAY BE GOT NOTED FROM THE CANDIDATES THAT AT THE TIME OF PRACTICAL EXAMINATION, THEY ARE REQUIRED TO PRESENT THEIR PRACTICAL NOTE-BOOKS IN VARIOUS SUBJECTS TO THEIR RESPECTIVE EXAMINERS.

CHANDIGARH: 160014

DR. PARVINDER SINGH

DATED: 31.01.2013

CONTROLLER OF EXAMINATIONS