

## PANJAB UNIVERSITY

Date-sheet for M.Sc.(Physics) Part-I(Exam. Code 223) (Two year Course) Examinations  
**(FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/IMPROVEMENT OF  
PERFORMANCE/MERCY CHANCE/ADDITIONAL CHANCE CANDIDATES)** to be  
held in April/May, 2009.

### (THEORY EXAMINATIONS)

**TIME OF EXAMINATIONS: 2.15 p.m. to 5.15 p.m.**

(The candidates must be on their seats at 2.00 p.m. sharp as per date-sheet below. The answer-books with Optical Mark Reader (OMR) front covers will be distributed at 2.00 p.m. 15 minutes time in the beginning of each paper is budgeted for filling up the OMR Sheets properly under the instructions and supervision of invigilators. The question paper will be distributed at 2.15 p.m. sharp and the examination will continue till 5.15 p.m.).

Date & Day	Subject Code	Paper/Code No.
<b>APRIL, 2009</b> 15 <sup>th</sup> , Wednesday	<b>PHY 6001</b>	Mathematical Physics (1474)
18 <sup>th</sup> , Saturday	<b>PHY 6002</b>	Classical Mechanics (1475)
22 <sup>nd</sup> , Wednesday	<b>PHY 6003</b>	Quantum Mechanics & Relativistic Quantum Field Theory (1476)
25 <sup>th</sup> , Saturday	<b>PHY 6004</b>	Electronics-I(1477)
28 <sup>th</sup> , Tuesday	<b>PHY 6005</b>	Condensed Matter Physics-I (1478)
<b>MAY, 2009</b> 2 <sup>nd</sup> , Saturday	<b>PHY 6006</b>	Nuclear Physics I(1479)
20 <sup>th</sup> , Wednesday	<b>PHY 6007</b>	Particle Physics-I (1479/A)

**NOTE:** THE CANDIDATES ARE NOT PERMITTED TO CARRY THE PAGER, CELLULAR PHONE, WIRELESS SET OR ANY OTHER COMMUNICATION INSTRUMENT SYSTEM INSIDE THE EXAMINATION CENTRE.

### CENTRE OF EXAMINATION:

1. Abohar-6  
D.A.V. College, Block-IV
2. Dasuya-2  
J.C.D.A.V. College, Block-I.
3. Ludhiana-19  
G.N. Girls College, M.T.,Block-II
4. Mahilpur-1  
SGGS Khalsa College, Block-I

**CHANDIGARH: 160014**  
**DATED: 26.3.2009**

**DR.A.K.BHANDARI**  
**CONTROLLER OF EXAMINATIONS**

## PANJAB UNIVERSITY

Date-sheet for M.Sc.(Physics) Part-II (Exam. Code 228)(Two Year Course)  
Examinations(**FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/IMPROVEMENT  
OF PERFORMANCE/MERCY CHANCE/ADDITIONAL CHANCE CANDIDATES**)  
to be held in April/May, 2009.

### (THEORY EXAMINATIONS)

**TIME OF EXAMINATION: 9.15 a.m. to 12.15 p.m.**

(The candidates must be on their seats at 9.00 a.m. sharp as per date-sheet below. The answer-books with Optical Mark Reader (OMR) front covers will be distributed at 9.00 am 15 minutes time in the beginning of each paper is budgeted for filling up the OMR Sheets properly under the instructions and supervision of invigilators. The question paper will be distributed at 9.15 a.m. sharp and the examination will continue till 12.15 p.m.).

Date & Day	Course No.	Subject/Code No.
<b>APRIL, 2009</b> 15 <sup>th</sup> , Wednesday	<b>PHY 7001</b>	Classical Electrodynamics (1503)
18 <sup>th</sup> , Saturday	<b>PHY 7002</b>	Statistical Mechanics (1504)
22 <sup>nd</sup> , Wednesday	<b>PHY 7003</b>	Electronics-II (1505 )
25 <sup>th</sup> , Saturday	<b>PHY 7004</b>	Condensed Matter Physics-II (1506)
28 <sup>th</sup> , Tuesday	<b>PHY 7005</b>	Nuclear Physics-II(1507)
<b>MAY, 2009</b> 2 <sup>nd</sup> , Saturday	<b>PHY 7006</b>	Particle Physics-II(1508)(Special Paper)
20 <sup>th</sup> , Wednesday	<b>PHY 7071</b>  <b>PHY 7072</b>	1. Experimental Techniques in Condensed Matter Nuclear & Particle Physics (1509) <b>OR</b> 2. Fibre Optics and Non-Linear Optics and Microprocessor and Computer Architecture.(1510)

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CELLULAR PHONE, WIRELESS SET OR ANY OTHER  
COMMUNICATION INSTRUMENT SYSTEM INSIDE THE  
EXAMINATION CENTRE.**

#### **CENTRE OF EXAMINATION:**

1. Abohar-6  
D.A.V. College, Block-IV
2. Dasuya-2  
J.C.D.A.V. College, Block-I.
3. Mahilpur-1  
SGGS Khalsa College, Block-I

**CHANDIGARH: 160014**

**DATED: 26.3.2009**

**DR.A.K.BHANDARI**  
**CONTROLLER OF EXAMINATIONS**

**PANJAB UNIVERSITY**

Date-sheet for M.Sc.(Chemistry) 1<sup>st</sup> year(Exam. Code 222) (Two Year Course)  
Examinations **(FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/ IMPROVEMENT  
OF PERFORMANCE/MERCY CHANCE/ ADDITIONAL CHANCE CANDIDATES)**  
to be held in April/May, 2009.

**(THEORY EXAMINATIONS)**

**TIME OF EXAMINATIONS: 2.15 p.m. to 5.15 p.m.**

(The candidates must be on their seats at 2.00 p.m. sharp as per date-sheet below. The answer-books with Optical Mark Reader (OMR) front covers will be distributed at 2.00 p.m. 15 minutes time in the beginning of each paper is budgeted for filling up the OMR Sheets properly under the instructions and supervision of invigilators. The question paper will be distributed at 2.15 p.m. sharp and the examination will continue till 5.15 p.m.).

<b>Date &amp; Day</b>	<b>Paper</b>	<b>Course No.</b>	<b>Subject/Code No.</b>
<b>APRIL, 2009</b> 16 <sup>th</sup> , Thursday	<b>I</b>	<b>CH-401</b>	Inorganic Chemistry(1467)
20 <sup>th</sup> , Monday	<b>II</b>	<b>CH-402</b>	Organic Chemistry(1468)
24 <sup>th</sup> , Friday	<b>III</b>	<b>CH-403</b>	Physical Chemistry(1469)
28 <sup>th</sup> , Tuesday	<b>IV</b>	<b>CH-404</b>	Group Theory, Spectroscopy and Diffraction Methods(1470)
<b>MAY, 2009</b> 2 <sup>nd</sup> , Saturday	<b>V</b>	<b>CH-405a</b>	1. Maths for Chemists(1471) 2. Biology for Chemists(1472)
19 <sup>th</sup> , Tuesday	<b>V</b>	<b>CH-405b</b>	Computer for Chemists(1473)

**NOTE:** THE CANDIDATES ARE NOT PERMITTED TO CARRY THE PAGER,  
CELLULAR PHONE, WIRELESS SET OR ANY OTHER COMMUNICATION  
INSTRUMENT SYSTEM INSIDE THE EXAMINATION CENTRE.

**CENTRE OF EXAMINATION:**

1. Abohar-4  
D.A.V. College, Block-II.
2. Chandigarh-31  
D.A.V. College, Sector-10, Block-IV.
3. Dasuya-2  
J.C.D.A.V. College, Block-I.
4. Jagraon-4  
S.Govt College of Science Edu. & Res
5. Ludhiana-19  
G.N.Girls College, MT,Block-II
6. Mahilpur-1  
S.G.G.S. Khalsa College, Block-I.

**CHANDIGARH: 160014**  
**DATED: 26.3.2009**

**DR.A.K.BHANDARI**  
**CONTROLLER OF EXAMINATIONS**

# PANJAB UNIVERSITY

Date-sheet for M.Sc.(Chemistry) 2<sup>nd</sup> year (Exam. Code 227) (Two Year Course)  
Examinations (FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/IMPROVEMENT OF  
PERFORMANCE/MERCY CHANCE/ADDITIONAL CHANCE CANDIDATES) to be held in April/May,  
2009.

(THEORY EXAMINATIONS)

TIME OF EXAMINATION: 9.15 a.m. to 12.15 p.m.

(The candidates must be on their seats at 9.00 a.m. sharp as per date-sheet below. The answer-books with Optical Mark Reader (OMR) front covers will be distributed at 9.00 am 15 minutes time in the beginning of each paper is budgeted for filling up the OMR Sheets properly under the instructions and supervision of invigilators. The question paper will be distributed at 9.15 a.m. sharp and the examination will continue till 12.15 p.m.).

Date & Day	Paper	Course No.	Subject/Code No.
<b>APRIL, 2009</b> 15 <sup>th</sup> , Wednesday	<b>IX</b>	<b>CH-501 (a) (b) (c)</b>	Applications of Spectroscopy, Photochemistry, Solid State Chemistry(1496)
18 <sup>th</sup> , Saturday	<b>X</b>	<b>CH-502</b>	Biophysical Chemistry (1497)
21 <sup>st</sup> , Tuesday	<b>XI</b>	<b>CH-503</b>	Environmental Chemistry (1498)
24 <sup>th</sup> , Friday	<b>XII</b>	<b>CH-504</b>	Organotransition Metal Chemistry (1499)
28 <sup>th</sup> , Tuesday	<b>XIII</b>	<b>CH-505</b>	Organic Synthesis-I (1500)
<b>MAY, 2009</b> 2 <sup>nd</sup> , Saturday	<b>XIV</b>	<b>CH-506</b>	Heterocyclic Chemistry (1501)
20 <sup>th</sup> , Wednesday	<b>XV</b>	<b>CH-507</b>	Chemistry of Natural Products (1502)

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**CENTRE OF EXAMINATION:**

1. Abohar-4  
D.A.V. College, Block-II.
2. Chandigarh-31  
D.A.V. College, Sector-10, Block-IV.
3. Dasuya-2  
J.C.D.A.V. College, Block-I.
4. Jagraon-4  
S.Govt College of Science Edu. & Res
5. Mahilpur-1  
S.G.G.S. Khalsa College, Block-I

**CHANDIGARH: 160014**  
**DATED: 26.3.2009**

**DR.A.K.BHANDARI**  
**CONTROLLER OF EXAMINATIONS**

**PANJAB UNIVERSITY**

**Date-sheet for M.Sc. (Botany) 1<sup>st</sup> year (Exam. Code 221) (Two year Course)  
Examinations (FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/IMPROVEMENT  
OF PERFORMANCE/MERCY CHANCE/ADDITIONAL CHANCE CANDIDATES)  
to be held in April/May, 2009.**

**(THEORY EXAMINATIONS)**

**TIME OF EXAMINATIONS: 2.15 p.m. to 5.15 p.m.**

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<b>Date &amp; Day</b>	<b>Paper/Subject/Code No.</b>
<b><u>APRIL, 2009</u></b>	
16 <sup>th</sup> , Thursday	<b>Paper-I:</b> Phycology and Bryology (1461)
20 <sup>th</sup> , Monday	<b>Paper-II:</b> Mycology, Microbiology and Plant Pathology (1462)
24 <sup>th</sup> , Friday	<b>Paper-III:</b> Pteridophytes and Gymnosperms (1463)
28 <sup>th</sup> , Tuesday	<b>Paper-IV:</b> Angiosperms, Morphology, Taxonomy & Reproduction (1464)
<b><u>MAY, 2009</u></b>	
2 <sup>nd</sup> , Saturday	<b>Paper-V:</b> Plant Anatomy (1465)
19 <sup>th</sup> , Tuesday	<b>Paper-VI: A)</b> Computer Applications (1466)

**NOTE: THE CANDIDATES ARE NOT PERMITTED TO CARRY THE PAGER, CELLULAR PHONE, WIRELESS SET OR ANY OTHER COMMUNICATION INSTRUMENT SYSTEM INSIDE THE EXAMINATION CENTRE.**

**CENTRE OF EXAMINATION:** Jagraon-4  
S .Govt College of Science Education & Research.

**CHANDIGARH: 160014  
DATED: 26.3.2009**

**DR.A.K.BHANDARI  
CONTROLLER OF EXAMINATIONS**

**PANJAB UNIVERSITY**

Date-sheet for M.Sc. (Botany) 2<sup>nd</sup> year (Exam. Code 226) (Two year Course)  
Examinations(**FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/IMPROVEMENT  
OF PERFORMANCE/MERCY CHANCE/ADDITIONAL CHANCE CANDIDATES**)  
to be held in April/May, 2009.

**(THEORY EXAMINATIONS)**

**TIME OF EXAMINATION: 9.15 a.m. to 12.15 p.m.**

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<b>Date &amp; Day</b>	<b>Paper/Subject/Code No.</b>
<b><u>APRIL, 2009</u></b> 16 <sup>th</sup> , Thursday	<b>Paper-I:</b> Plant Physiology and Biochemistry.(1491)
20 <sup>th</sup> , Monday	<b>Paper-II:</b> Molecular Biology and Biotechnology (1492)
24 <sup>th</sup> , Friday	<b>Paper-III:</b> Cytology, Genetics and Cytogenetics (1493)
28 <sup>th</sup> , Tuesday	<b>Paper-IV:</b> Plant Ecology and Forestry (1494)
<b><u>MAY, 2009</u></b> 2 <sup>nd</sup> , Saturday	<b>Paper-V:</b> Plant Resource, Utilization and Conservation (1495)

**NOTE:** THE CANDIDATES ARE NOT PERMITTED TO CARRY THE PAGER, CELLULAR PHONE, WIRELESS SET OR ANY OTHER COMMUNICATION INSTRUMENT SYSTEM INSIDE THE EXAMINATION CENTRE.

**CENTRE OF EXAMINATION:**Jagraon-4

S.Govt College of Science Education & Research.

**CHANDIGARH: 160014  
DATED: 26.3.2009**

**DR.A.K.BHANDARI  
CONTROLLER OF EXAMINATIONS**

## PANJAB UNIVERSITY

Date-sheet for M.Sc. (Zoology) Part-I(Exam. Code 224) (Two year Course)  
Examinations(**FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/IMPROVEMENT  
OF PERFORMANCE/MERCY CHANCE/ADDITIONAL CHANCE CANDIDATES**)  
to be held in April/May, 2009.

(THEORY EXAMINATIONS)

TIME OF EXAMINATIONS: 2.15 p.m. to 5.15 p.m.

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Date & Day	Paper	Course No.	Subject/Code No.
<b><u>APRIL, 2009</u></b> 15 <sup>th</sup> , Wednesday	<b>I</b>	<b>MZL-6001</b>	Structure and Functions of Invertebrates (1480)
20 <sup>th</sup> , Monday	<b>II</b>	<b>MZL-6002</b>	Lower Chordates & Comparative Anatomy of Vertebrates (1481)
24 <sup>th</sup> , Friday	<b>III</b>	<b>MZL-6003</b>	Biosystematics and Evolution (1482)
28 <sup>th</sup> , Tuesday	<b>IV</b>	<b>MZL-6004</b>	Cell and Molecular Biology (1483)
<b><u>May, 2009</u></b> 2 <sup>nd</sup> , Saturday	<b>V</b>	<b>MZL-6005</b>	Developmental Biology (1484)

**NOTE:** THE CANDIDATES ARE NOT PERMITTED TO CARRY THE PAGER, CELLULAR PHONE, WIRELESS SET OR ANY OTHER COMMUNICATION INSTRUMENT SYSTEM INSIDE THE EXAMINATION CENTRE.

**CENTRE OF EXAMINATION:** 1. Dasuya-2  
J.C.D.A.V. College, Block-I.  
2. Chandigarh-6  
Govt.College for Girls,  
Sector 42, Block-II  
3. Chandigarh-31  
D.A.V. College, Sector-10,  
Block-IV.

**CHANDIGARH: 160014**  
**DATED: 26.3.2009**

**DR.A.K.BHANDARI**  
**CONTROLLER OF EXAMINATIONS**

## PANJAB UNIVERSITY

Date-sheet for M.Sc.(Zoology) Part- II(Exam. Code 229) (Two year Course)  
Examinations(FOR FULL SUBJECTS/ADDITIONAL SUBJECTS/IMPROVEMENT OF  
PERFORMANCE/MERCY CHANCE/ADDITIONAL CHANCE CANDIDATES)to be held  
in April/May, 2009.

### (THEORY EXAMINATIONS)

TIME OF EXAMINATION: 9.15 a.m. to 12.15 p.m.

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Date & Day	Paper	Course No.	Subject/Code No.
<b>APRIL, 2009</b> 15 <sup>th</sup> , Wednesday	<b>VI</b>	<b>MZL-7001</b>	Animal Physiology and Endocrinology (1511)
20 <sup>th</sup> , Monday	<b>VII</b>	<b>MZL-7002</b>	Immunology and Parasitological (1512)
24 <sup>th</sup> , Friday	<b>VIII</b>	<b>MZL-7003</b>	Ecology, Environmental Biology and Wildlife (1513)
28 <sup>th</sup> , Tuesday	<b>IX</b>	<b>MZL-7004</b>	Applied Zoology :Entomology and Fish & Fisheries) (1514)
<b>MAY, 2009</b> 2 <sup>nd</sup> , Saturday	<b>X</b>	<b>MZL-7005</b>	Biochemistry, Methodology and Instrumentation (1515)

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**CENTRE OF EXAMINATION:** 1. Chandigarh-31  
DAV College, Sector 10, Block-IV  
2. Chandigar-6  
Govt.College for Girls,Sec.42,BI-II  
3. Dasuya-2  
J.C.D.A.V. College, Block-I.

**CHANDIGARH: 160014**  
**DATED: 26.3.2009**

**DR.A.K.BHANDARI**  
**CONTROLLER OF EXAMINATIONS**

**PANJAB UNIVERSITY, CHANDIGARH**

**RE-EXAMINATION OF** M.Sc.(Physics) 1<sup>st</sup> year (Exam. Code 223) (Two year Course)  
Examinations to be held in April.

**(THEORY EXAMINATIONS)**

**TIME OF EXAMINATIONS: 2.15 p.m. to 5.15 p.m.**

**(The candidates must be on their seats at 2.00 p.m. sharp as per date-sheet below. The answer-books with Optical Mark Reader (OMR) front covers will be distributed at 2.00 p.m. 15 minutes time in the beginning of each paper is budgeted for filling up the OMR Sheets properly under the instructions and supervision of invigilators. The question paper will be distributed at 2.15 p.m. sharp and the examination will continue till 5.15 p.m.).**

<b>Date &amp; Day</b>	<b>Subject Code</b>	<b>Paper/Code No.</b>
<b><u>APRIL, 2009</u></b> 25 <sup>th</sup> , Saturday	<b>PHY 6004</b>	Electronics-I(9812/R)

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**CENTRE OF EXAMINATION:**

1. Abohar-6  
D.A.V. College, Block-IV
2. Dasuya-2  
J.C.D.A.V. College, Block-I.
3. Ludhiana-19  
G.N. Girls College, M.T.,Block-II
4. Mahilpur-1  
SGGS Khalsa College, Block-I

**CHANDIGARH: 160014**  
**DATED: 25.3.2009**

**DR.A.K.BHANDARI**  
**CONTROLLER OF EXAMINATIONS**