

HIMACHAL PRADESH UNIVERSITY
(NAAC Accredited 'A' Grade University)
"CONDUCT BRANCH"

Date-sheet for M.Sc. (Botany/ Zoology) 4th Semester Regular and 1st 2nd & 3rd Semester Re-appear examination to be held in July, 2023

Evening Session

Time: 2.00 PM to 5.00 PM

Date	Semester	Subject	Course	Title of the course
24.7.2023	4 th	Botany Zoology	XIII XIII	Biochemistry Biochemistry (Common Course)
25.7.2023	2 nd	Botany Zoology	V V	Cell and Molecular Biology Cell and Molecular Biology (Common Course)
26.7.2023	4 th	Botany Zoology	XIV XIV	Ecology Ecology (Common Course)
27.7.2023	2 nd	Botany Zoology	VI VI	Biostatistics and Computer Applications Biostatistics and Computer Applications (Common Course)
28.7.2023	4 th	Botany	XV	Special Paper:- Any one of the following: Advanced topics in applied Microbiology or Advanced topics in Plant Pathology or Wood Science, Forest Biodiversity & Plant Resources or Biodiversity, Bioprospecting Ethnobotany and sustainable Utilization of Plant Resources or Advanced Plant Physiology or Plant Reproduction tissue culture & Horticulture Science
	4 th	Zoology	XV	Special Paper:- Any one of the following: Molecular and Human Genetics or Parasitology or Entomology or Molecular Physiology Or Biochemistry
31.7.2023	2 nd	Botany Zoology	VIII VIII	Biology and Diversity of Angiosperms-I Developmental Biology
01.8.2023	1 st	Botany Zoology	I I	Biology and Diversity of Algae and Fungi Biosystematics and Taxonomy
02.8.2023	2 nd	Botany Zoology	VII VII	Biology and Diversity of Gymnosperms Comparative Anatomy of Vertebrates
03.8.2023	3 rd	Botany Zoology	IX IX	Cytogenetics and Evolution Cytogenetics and Evolution (Common Course)
04.8.2023	1 st	Botany Zoology	II II	Biology and Diversity of Microbes and Plant Pathogens Structure and Functions of Invertebrates
05.8.2023	3 rd	Botany Zoology	X X	Immunology and Biotechnology Immunology and Biotechnology (Common Course)
07.8.2023	1 st	Botany Zoology	III III	Biology and Diversity of Bryophytes and Pteridophytes Insect Diversity and Physiology
08.8.2023	3 rd	Botany Zoology	XI XI	Biology and Diversity of Angiosperms-II Applied Zoology
09.8.2023	1 st	Botany Zoology	IV IV	Plant Resources Utilization and Breeding Biology of Parasites
10.8.2023	3 rd	Botany Zoology	XII XII	Plant Physiology General Physiology

Dated: Shimla-5, the 17.7.2023

Sd/-
Deputy Registrar (Conduct)

Sd/-
Controller of Examinations

EXAMINATION CENTRES:-

1. Shimla, as per notification No. 1-11/2021-HPU (Conduct)-II dated 07.6.2023
2. Govt. College Solan for Shoolini Institute of Life Sciences and Business Management, Anand Campus, The Mall, Solan(H.P.).
3. Vallabh Govt. College Mandi (H.P.) for the students of Abhilashi Institute of Life Science, Tanda, P.O. Balt, Mandi (H.P.)
4. Gautam College, Hamirpur, Distt. Hamirpur (H.P.).
5. M.L.S.M. College Sundernagar, Distt. Mandi, H.P.
6. Govt. College Rampur Bushehar.
7. Govt. College Dhaliara for the students of Thakur PG College of Education, Dhaliara, Teh. Dehra, Distt. Kangra (H.P) .
8. H.P University Centre for Evening Studies, The Mall, Shimla for the Students of St. Bede's College, Shimla
9. Govt. College Hamirpur (H.P)
10. MCM DAV College Kangra also for the students of VVM College Malkwal, Distt. Kangra
11. Govt. College Ghumarwin, Distt. Bilaspur (H.P)

HIMACHAL PRADESH UNIVERSITY
(NAAC Accredited 'A' Grade University)
"CONDUCT BRANCH"

Date-sheet for M.Sc. Chemistry 4th Semester Regular and 1st, 2nd & 3rd Semester
Re-appear examination to be held in July, 2023.

Evening Session

Time: 2.00 PM to 5.00 PM

Date	Semester	Course	Title of the course
24.7.2023	4 th	XV	Special Theory-II (A) Inorganic Chemistry (NS/OS) (B) Organic Chemistry(NS/OS) (C) Physical Chemistry(NS/OS)
25.7.2023	2 nd	V	Inorganic Chemistry(NS/OS Last Chance)
26.7.2023	4 th	XVI	Special Theory-III (A) Inorganic Chemistry (NS/OS) (B) Organic Chemistry(NS/OS) (C)Physical Chemistry (NS/OS)
27.7.2023	2 nd	VI	Organic Chemistry(NS/OS Last Chance)
28.7.2023	4 th	XVII	Special Theory-IV (A) Inorganic(NS/OS) (B) Organic (NS/OS) (C) Physical(NS/OS)
31.7.2023	4 th	XVIII	Special Theory-V (A)Bio Inorganic Chemistry(NS/OS) (B) Organic Chemistry(NS/OS) (C) Physical Chemistry (NS/OS)
01.8.2023	2 nd	VII	Physical Chemistry(NS/OS Last Chance)
02.8.2023	1 st	I	Inorganic Chemistry (NS/OS Last Chance)
03.8.2023	2 nd	VIII	Chemistry of Life and Environmental Chemistry(NS/OS Last Chance)
04.8.2023	3 rd	X	Inorganic Chemistry (NS/OS)
05.8.2023	1 st	II	Organic Chemistry (NS/OS Last Chance)
07.8.2023	3 rd	XI	Organic Chemistry(NS/OS)
08.8.2023	1 st	III	Physical Chemistry (NS/OS Last Chance)
09.8.2023	3 rd	XII	Physical Chemistry (NS/OS)
10.8.2023	1 st	IV	Mathematics for Chemists and Application of Computer in Chemistry (NS/OS Last Chance)
11.8.2023	3 rd	XIII	Special Paper:- (A) Inorganic Chemistry(NS/OS) (B) Bio-Organic Chemistry (NS/OS) (C) Physical Chemistry(NS/OS)

Dated: Shimla-5, the 17.7.2023

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Examination Centre:

Controller of Examinations

1. Shimla, as per notification No. 1-11/2021-HPU (Conduct)-II dated 07.6.2023
2. MCM DAV College Kangra also for the students of VVM College Malkwal, Distt. Kangra
3. Gautam College Hamirpur
4. Govt. College Mandi for the students of Abhilashi Institute of Life Science, Tanda, P.O. Balt, Mandi (H.P.)
5. MLSM College Sundernagar, Distt. Mandi
6. Govt. College Nalagarh, Distt. Solan
7. Govt. College Rampur Bushehar, Distt. Shimla
8. BTC DAV College Banikhet, Distt. Chamba
9. Govt. College Ghumarwin, Distt. Bilaspur
10. Govt. College Dhaliara, Distt. Kangra also for the students of Thakur PG College of Education, Dhaliara, Teh. Dehra, Distt. Kangra (H.P)
11. Govt. College Dharamshala
12. Govt. College Bilaspur
13. Govt. College Solan for Shoolini Institute of Life Sciences and Business Management, Anand Campus, The Mall, Solan(H.P.).
14. Govt. College Sarkaghat
15. Govt. College Hamirpur

HIMACHAL PRADESH UNIVERSITY
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"CONDUCT BRANCH"

Date-sheet for M.Sc. Environmental Sciences 4th Semester Regular and 1st 2nd & 3rd Semester Re-appear examination to be held in July, 2023

Morning Session

Time: 9.00 AM to 12.00 Noon

Date	Semester	Course	Title of the course
24.7.2023	4 th	MES-401	Environmental Law, Governance, Ethics and Policy (Compulsory)
25.7.2023	2 nd	MES-201	Environmental Pollution
26.7.2023	4 th	MES-402	Any one of the following: (i) Biodiversity & Wildlife Ecology (iii) Environmental Health (v) Climate Change and Clean Technology (vi) Environmental Clearance and Environmental Audit (vii) Principles of Climatology
27.7.2023	2 nd	MES-202	Natural Resources: Conservation & Management
28.7.2023	1 st	MES-101	Environmental Geology and Atmospheric Science
31.7.2023	2 nd	MES-203	Ecotoxicology and Radiation Impacts
01.8.2023	3 rd	MES-301	Remote Sensing & GIS
02.8.2023	2 nd	MES-204	Environmental Impact Assessment
03.8.2023	1 st	MES-102	Environmental Biology
04.8.2023	3 rd	MES-302	Environmental Chemistry & Green Technology
05.8.2023	1 st	MES-103	Environmental Disasters: Mitigation & Management
07.8.2023	3 rd	MES-303	Research Methodology Statistics & Computer Application
08.8.2023	1 st	MES-104	Current Environmental Issues & their Management
09.8.2023	3 rd	MES-304	Techniques in Environmental Monitoring & Analysis

Dated: Shimla-5, the 17.7.2023

Examination Centre: Shimla, as per notification No. 1-11/2021-HPU (Conduct)-II dated 07.6.2023

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HIMACHAL PRADESH UNIVERSITY
(NAAC Accredited 'A' Grade University)
"CONDUCT BRANCH"

Date-sheet for M.Sc. Geology 2nd & 4th Semester Regular and 1st & 3rd Semester Re-appear examination to be held in July, 2023

Evening Session

Time: 2.00 PM to 5.00 PM

Date	Semester	Course	Title of the course
24.7.2023	4 th	XXII	Exploration Geophysics
25.7.2023	2 nd	VIII	Igneous Petrology
26.7.2023	4 th	XXIII	Ore Geology
27.7.2023	2 nd	IX	Metamorphic Petrology
28.7.2023	4 th	XXIV	Environmental Geology
31.7.2023	4 th	XXI	Engineering Geology
01.8.2023	2 nd	X	Palaeontology
02.8.2023	3 rd	XIV	Geodynamics
03.8.2023	2 nd	XI	Stratigraphy
04.8.2023	1 st	I	Geomorphology
05.8.2023	3 rd	XV	Hydrogeology
07.8.2023	1 st	II	Structural Geology
08.8.2023	3 rd	XVI	Fuel Geology
09.8.2023	1 st	III	Sedimentology
10.8.2023	3 rd	XVII	Remote Sensing and GIS
11.8.2023	1 st	IV	Mineralogy and Geochemistry

Dated: Shimla-5, the 17.7.2023

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Controller of Examinations

Examination Centre: HPU Regional Centre, Dharamshala, Distt. Kangra

HIMACHAL PRADESH UNIVERSITY
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Date-sheet for M.Sc. Physics 4th Semester Regular and Semester 1st 2nd & 3rd Re-appear examination to be held in July, 2023

Morning Session

Time: 9.00 AM to 12.00 Noon

Date	Semester	Course	Title of the course
24.7.2023	4 th	PHYMS- 401	Electronics-II
25.7.2023	2 nd	PHYMS- 201	Quantum Mechanics-I
26.7.2023	4 th	PHYMS- 402	a) Advanced High Energy Physics b) Nuclear and Particle Astrophysics
27.7.2023	2 nd	PHYMS- 202	Condensed Matter Physics
28.7.2023	4 th	PHYMS- 404	b) Nuclear Technology c) Opto. Electronics
31.7.2023	4 th	PHYMS- 403	a) Nano Physics
01.8.2023	2 nd	PHYMS- 203	Statistical Physics
02.8.2023	1 st	PHYMS- 101	Mathematical Physics
03.8.2023	2 nd	PHYMS- 204	Electrodynamics
04.8.2023	3 rd	PHYMS- 301	Quantum Mechanics-II
05.8.2023	2 nd	PHYMS- 206	Computer application in Physics-II (Addl./Optl. Paper)
07.8.2023	1 st	PHYMS -102	Classical Mechanics
08.8.2023	3 rd	PHYMS -302	Material Science
09.8.2023	1 st	PHYMS -103	Electronics-I
10.8.2023	3 rd	PHYMS -303	Nuclear Physics
11.8.2023	1 st	PHYMS -104	Computational Methods in Physics
12.8.2023	3 rd	PHYMS -304	High Energy Physics
14.8.2023	1 st	PHYMS -106	Computer Application in Physics-I (Addl./Optl. Paper)

Dated: Shimla-5, the 17.7.2023

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Examination Centre:

1. Shimla, as per notification No. 1-11/2021-HPU (Conduct)-II dated 07.6.2023
2. MCM DAV College Kangra also for the students of VVM College Malkwal, Distt. Kangra
3. Gautam College Hamirpur
4. Govt. College Mandi for the students of Abhilashi Institute of Life Science, Tanda, P.O. Balt, Mandi (H.P.)
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8. Govt. College Ghumarwin, Distt. Bilaspur
9. Govt. College Dhaliara, Distt. Kangra
10. Govt. College Bilaspur
11. Govt. College Dehri
12. Govt. College Sarkaghat
13. Govt. College Hamirpur

HIMACHAL PRADESH UNIVERSITY
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Date-sheet for M.Sc. Biotechnology 1st, 2nd & 3rd Semester Re-appear examination to be held in July, 2023

Morning Session

Time: 9.00 AM to 12.00 Noon

Date	Semester	Course	Title of the course
25.7.2023	2 nd	MBT-201	Recombinant DNA Technology (NS/OS) [Common with M.Sc. Microbiology Course MMB-201]
26.7.2023	1 st	MBT-101(i) MBT-101(ii)	Remedial Course: (1) Introductory Biology (OS/NS) (Common with OS) OR (2) Introductory Mathematics (OS/NS) (Common with OS) (common with M.Sc. Microbiology, Course No. MMB-101 Mathematics & Statistics)
27.7.2023	2 nd	MBT-202	Immunology & Immunotechnology (NS/OS) [Common with M.Sc. Microbiology Course: MMB-202]
28.7.2023	3 rd	MBT-302	Fermentation Technology (OS/NS)
31.7.2023	2 nd	MBT-203	Plant Biotechnology (NS/OS)
01.8.2023	1 st	MBT-102	Biochemistry(OS/NS) (common with M.Sc. Microbiology Course No. MMB-102)
02.8.2023	2 nd	MBT-204	Animal Biotechnology (NS/OS)
03.8.2023	3 rd	MBT-301	Environmental Microbiology and Biotechnology (OS/NS) (Common with M.Sc. Microbiology Course No. MMB-301)
04.8.2023	2 nd	MBT-205	Biochemical Engineering (NS/OS)
05.8.2023	1 st	MBT-103	Microbiology (OS/NS)
07.8.2023	3 rd	MBT-303	Computer & Bioinformatics (OS/NS) (common with M.Sc. Microbiology, Course No.MMB-303) (Common with OS)
08.8.2023	1 st	MBT-104 MBT-104	Microbial Genetics & Molecular Biology(OS) (common with M.Sc. Microbiology, Course No. MMB-104 Molecular Biology) Cell and Molecular Biology(NS) (Common with M.Sc. Microbiology Course No. MMB-104)
09.8.2023	3 rd	MBT-304	Enzyme Technology (OS/NS) (common with M.Sc. Microbiology, Course No.MMB-EL-302(OS) & MMB-304(NS)
10.8.2023	1 st	MBT-105	Instrumental Methods of Analysis (OS/NS) (common with M.Sc. Microbiology, Course No. MMB-105)
11.8.2023	3 rd	MBT-EL-301 MBT-EL-302 MBT-EL-303 MBT-EL-304	Any one of the following: Metabolic Engineering(OS/NS) (common with M.Sc. Microbiology, Course No .MMB-EL-301(OS) Bio-Catalysis and Bio-Transformation (OS/NS) Common with MBT-EL-302(OS) Food Biotechnology (OS/NS) (Common with M. Sc. Microbiology course: MMB-EL-303) Nano- Biotechnology (OS/NS) (Common with OS)

Dated: Shimla-5, the 17.7.2023

Examination Centre:

1. Shimla, as per notification No. 1-11/2021-HPU (Conduct)-II dated 07.6.2023
2. Govt. College Solan

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Controller of Examinations

HIMACHAL PRADESH UNIVERSITY
(NAAC Accredited 'A' Grade University)
"CONDUCT BRANCH"

Date-sheet for M.Sc. Microbiology 4th Semester Regular & 1st, 2nd & 3rd Semester Re-appear examination to be held in July, 2023

Morning Session

Time: 9.00 AM to 12.00 Noon

Date	Semester	Course	Title of the course
24.7.2023	4 th	MMB-401	Research Methodologies (w.e.f. November,2021)
25.7.2023	2 nd	MMB-201	Recombinant DNA Technology (NS /OS) (Common with M.Sc. Biotechnology Course No. MBT-201)
		MMB-201	Instrumental Methods of Analysis (New Batch w.e.f. Nov., 2021)
26.7.2023	1 st	MMB-101	Mathematics & Statistics (NS/OS) (Common with M.Sc. Biotechnology Course No. MBT101(ii)Introductory Mathematics)
		MMB-101	General Microbiology (New Batch w.e.f. Nov., 2021)
27.7.2023	2 nd	MMB-202	Immunology and Immunotechnology (NS /OS) (Common with M.Sc. Biotechnology Course No. MBT-202)
		MMB-202	Immunology and Immunotechnology (New Batch w.e.f. Nov., 2021)
28.7.2023	3 rd	MMB-302	Food Microbiology (OS)
		MMB-302	Industrial Microbiology(NS)
		MMB-302	Industrial Microbiology (New Batch w.e.f. Nov., 2021)
31.7.2023	2 nd	MMB-203	Mycology and Phycology(NS /OS)
		MMB-203	Mycology and Phycology(New Batch w.e.f. Nov., 2021)
01.8.2023	1 st	MMB-102	Biochemistry (NS/OS) (Common with M.Sc. Biotechnology Course No.MBT -102)
		MMB-102	Bio-Chemistry (NS) (New Batch w.e.f. Nov., 2021)
02.8.2023	2 nd	MMB-204	Medical Microbiology (NS /OS)(Common with MMB-204(OS)
		MMB-204	Medical Microbiology (New Batch w.e.f. Nov., 2021)
03.8.2023	3 rd	MMB-301	Environmental Microbiology and Biotechnology(NS/OS) (Common with M.Sc. Biotechnology Course No.MBT-301)
		MMB-301	Environmental Microbiology (New Batch w.e.f. Nov., 2021)
04.8.2023	2 nd	MMB-205	Virology (NS/OS)
		MMB-205	Virology (New Batch w.e.f. Nov., 2021)
05.8.2023	1 st	MMB-103 MMB-103	Bacteriology (NS/OS) (Common with OS) Cell and Molecular Biology (NS) (New Batch w.e.f. Nov., 2021)
07.8.2023	3 rd	MMB-303	Computers & Bioinformatics (NS/OS) (Common with M.Sc. Biotechnology Course No. MBT-303)
08.8.2023	1 st	MMB-104	Molecular Biology (OS) (Common with M.Sc. Biotechnology Course No. MBT-104)
		MMB-104	Microbial Genetics & Molecular Biology)
		MMB-104	Cell and Molecular Biology (NS)(Common with M.Sc. Biotechnology MBT-104 (NS) Microbial Physiology and Metabolism (NS) (New Batch w.e.f. Nov., 2021)
09.8.2023	3 rd	MMB-EL-302/ MMB-304	Enzyme Technology(OS/NS) (Common with M.Sc. Biotechnology Course No. MBT-304)
		MMB-303	Food Microbiology(New Batch w.e.f. Nov., 2021)
10.8.2023	1 st	MMB-105	Instrumental Methods of Analysis (NS/OS) (Common with M.Sc. Biotechnology Course No.MBT-105 Instrumental Methods of Analysis)
		MMB-105	Biostatistics, Computer & Bioinformatics(NS) (New Batch w.e.f. Nov., 2021)
11.8.2023	3 rd	MMB-EL-301	Metabolic Engineering (Common with M.Sc. Biotechnology Course No. MBT-EL-301(OS)
		MMB-EL-302	Microbial Genomics and Proteomics (Common with MMB-EL-303(OS)
		MMB-EL-303	Food Technology (Common with M. Sc. Biotechnology course: MBT-EL-303(NS)
		MMB-304	Enzyme Technology(New Batch w.e.f. Nov., 2021)
12.8.2023	3 rd	MMB-304	Industrial Microbiology (OS)
		MMB-EL-301	Recent Diagnostic Techniques in Microbiology(New Batch w.e.f. Nov., 2021)
		MMB-EL-302	Microbial Genomics & Proteomics(New Batch w.e.f. Nov., 2021)
		MMB-EL-303	Microbes in Sustainable Agriculture and Development(New Batch w.e.f. Nov., 2021)
		MMB-EL-304	Parasitology(New Batch w.e.f. Nov., 2021)
		MMB-EL-305	Management of Human Microbial Diseases(New Batch w.e.f. Nov., 2021)
		MMB-EL-306	Microbial Diagnosis in Health Clinics(New Batch w.e.f. Nov., 2021)
		MMB-EL-307	Microbial Quality Control in Food and Pharmaceutical Industries(New Batch w.e.f. Nov., 2021)
MMB-EL-308	IPR/ Bioethics and Biosafety(New Batch w.e.f. Nov., 2021)		

Dated: Shimla-5, the 17.7.2023

Examination Centre:

1. Shimla, as per notification No. 1-11/2021-HPU (Conduct)-II dated 07.6.2023
2. Govt. College Solan

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Deputy Registrar (Conduct)

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Controller of Examinations

HIMACHAL PRADESH UNIVERSITY
(NAAC Accredited 'A' Grade University)
"CONDUCT BRANCH"

Date sheet for M.Sc. Data Science and Artificial Intelligence 2nd Semester Regular 1st & 3rd Re-appear Examination to be held in July, 2023

Evening Session:

Time: 2.00PM to 5.00 PM

Date	Semester	Course Code	Title of the Course
24.7.2023	2 nd	DSAI-201	Statistical Learning
25.7.2023	1 st	DSAI-101	Mathematics for Data Science
26.7.2023	2 nd	DSAI-202	Foundation of Artificial Intelligence
27.7.2023	3 rd	DSAI-301	Big Data Analytics
28.7.2023	2 nd	DSAI-203	Data Mining
31.7.2023	1 st	DSAI-102	Computational Thinking
01.8.2023	2 nd	DSAI-204	Machine Learning
02.8.2023	3 rd	DSAI-302	Deep Learning
03.8.2023	2 nd	DSAI-205	Linux Operating System
04.8.2023	1 st	DSAI-103	Data Science with Python
05.8.2023	3 rd	DSAI-303	Data Visualization
07.8.2023	1 st	DSAI-104	Data Structure and Algorithms
08.8.2023	3 rd	DSAI-304	Evolutionary Algorithms
09.8.2023	1 st	DSAI-105	Database Management System
10.8.2023	3 rd	DSAI-EL-1	Cyber Security

Dated: Shimla-5, the 17.7.2023

Examination Centre: Science Block, H.P University, Shimla

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Deputy Registrar (Conduct)

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