



CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR

Criterion I-Curricular Planning and Implementation

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Documents Attached

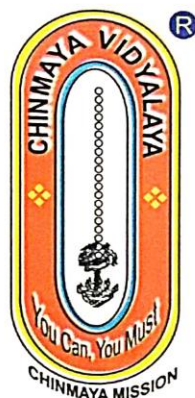
Sr. No.	Document Name
1.	Prospectus
2.	Academic Calendar
3.	Time -Table
4.	Teaching Plan
5.	Laboratory and Library Facilities
6.	Internal & External Date sheet and Duty chart



Prospectus last five year

CHINMAYA DEGREE COLLEGE

A COLLEGE OF EXCELLENCE



PROSPECTUS

Session 2018-19

BHEL, HARIDWAR - 249403

Ph. : 01334 - 230478, Fax : 01334 - 231892

Visit : www.chinmayadc.edu.in

E-mail : management@chinmayadc.edu.in

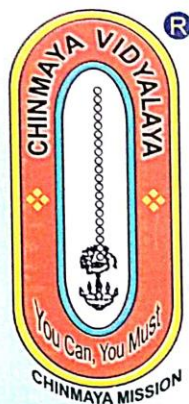
office-supdt@chinmayadc.edu.in

principal@chinmayadc.edu.in



CHINMAYA DEGREE COLLEGE

BHEL, HARIDWAR - 249403
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PROSPECTUS

Session 2019-20

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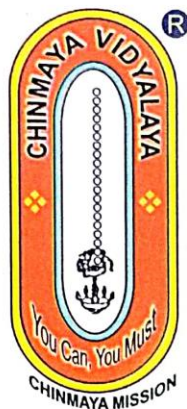
E-mail : management@chinmayadc.edu.in
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CHINMAYA DEGREE COLLEGE

BHEL, HARIDWAR - 249403

A COLLEGE OF EXCELLENCE



Sahil
7895765409

PROSPECTUS

Session 2020-21

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CHINMAYA DEGREE COLLEGE

BHEL, HARIDWAR - 249403

A COLLEGE OF EXCELLENCE



PROSPECTUS

Session 2021-22

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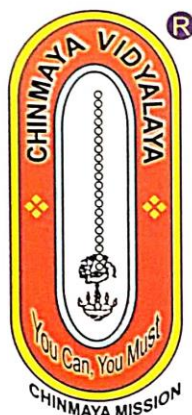


Beta City

CHINMAYA DEGREE COLLEGE

BHEL, HARIDWAR - 249403

A COLLEGE OF EXCELLENCE



PROSPECTUS

Session 2022-23

Ph. : 01334 - 230478

Visit : www.chinmayadc.edu.in

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Academic Calendar

ACADEMIC CALENDAR SESSION 2022-23

(Approved by the Admission Committee meeting held on 20.06.2022)

Date of Registration for admission to UG and PG classes, First Semester	Within 15 days of declaration of the CUET result.
Commencement of the academic session/classes of UG First Semester of all courses	From 05.09.2022
Last date of admission to UG/PG/Diploma Courses for all semester excluding first semester	30.08.2022
Last date of submission of examination form for the odd semester of all courses	From 01.10.2022 to 30.10.2022 OR Within twenty (20) days of the University declaring the previous classes' results, whichever is earlier. The same date shall apply to students for re-admission.
Last date of submission of examination form for the even semester of all courses	From 15.03.2023 To 15.04.2023
Course duration (including examinations) for all UG, PG, Professional & Vocational courses	
(a) Odd Semester	05.08.2022 to 01.01.2023
(b) Even Semester	17.01.2023 to 05.06.2023
Winter Break	02.01.2023 to 16.01.2023
Summer Break	06.06.2023 to 08.07.2023
University Convocation Day	01.12.2022
Golden Jubilee Celebration of H.N.B. Garhwal University begins from	01.12.2022
Birth Anniversary Celebration of Late Shri Hemvati Nandan Bahuguna	25.04.2023

Note: The dates mentioned above are tentative. They are subject to change as per the declaration of the CUET result.

1. All departments of the Campuses to submit the Annual Report to IQAC by the first week of May.
2. All departments of the Campuses shall conduct Orientation/Induction programme for the newly admitted PG students within one week of the commencement of classes and submit the report to IQAC. Dean of Schools to facilitate the same for UG programmes.

Principal
Chimgaya Degree College
Haridwar
Maya



ACADEMIC CALENDAR SESSION 2021-22
(Approved by the Admission Committee meeting held on 23.07.2021)

- | | |
|---|------------|
| 1. Date of start of online registration for admission | 18.08.2021 |
| 2. Last date of registration for admission to BA/B.Sc./B.Com. (First Semester) | 08.09.2021 |
| 3. Commencement of the academic session/classes | 16.09.2021 |
| 4. Last date of admission to UG/PG/Diploma courses all semester excluding BA/B.Sc./B.Com first semester | 30.09.2021 |

OR

Within twenty (20) days of declaration of the result of entrance test/qualifying examination, whichever is later.

5. Last date of submitting examination form for odd semester, all courses 15.09.2021 to 01.10.2021

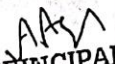
OR

Within twenty (20) days of issuing of mark sheet of the previous class by the University, whichever is later. The same date will be applicable to the students of re-registration.

6. Last date of submitting examination form for even semester, all courses 15.02.2022 to 28.02.2022
7. Course duration (including examinations) for UG, PG, Professional & Vocational courses
- | | |
|-------------------|--------------------------|
| (a) Odd Semester | 16.09.2021 to 25.01.2022 |
| (b) Even Semester | 27.01.2022 to 19.06.2022 |
8. Winter Break 27.12.2021 to 01.01.2022
9. Summer Break 20.06.2022 to 19.07.2022
10. University Foundation Day Celebration and University Convocation 01.12.2021
11. Birthday ceremony celebration of Late Shri Hemvati Nandan Bahuguna 25.04.2022

Note:1. All the departments of the Campuses to submit the Annual Report to IQAC latest by the first week of May, 2021

2. All the departments of the Campuses shall conduct Orientation / Induction programme for the newly admitted PG students within one week of the commencement of classes and submit the report to IQAC. Dean of Schools to facilitate the same for UG programmes.


PRINCIPAL
Chinmaya Degree College
BHEL, Haridwar



PROSPECTUS 2020-2021

1.1.2 **1** **ACADEMIC CALENDAR SESSION 2020-21**
(Approved by the Admission Committee meeting held on 11.05.2020)

- | | |
|---|--------------------|
| 1. Sale of admission forms | 20.07.2020 onwards |
| 2. Commencement of the academic session | 01.08.2020 |
| 3 (a) Last date of submitting admission forms for B.A./B.Sc./B.Com. and all UG Courses. | 20.08.2020 |
| (b) Last date of submitting admission forms for all PG Courses. | 20.08.2020 |

OR

Within twenty (20) days of declaration of the result of entrance test/qualifying examination, whichever is later.

- | | |
|---|------------|
| (c) Last date of submitting and filling of examination form for Odd Semester of all the classes | 15.09.2020 |
|---|------------|

OR

Within twenty (20) days of issuing of mark sheet of the previous class by the University, whichever is later. The same date will be applicable to the students of re-registration.

- | | |
|---|--------------------------|
| 4. Course duration (including examinations) for UG, PG, Professional & Vocational courses | |
| (a) Odd Semester | 01.08.2020 to 25.01.2021 |
| (b) Even Semester | 27.01.2021 to 25.06.2021 |
| 5. Winter Break | 24.12.2020 to 31.12.2020 |
| 6. Summer Break | 26.06.2021 to 24.07.2021 |
| 7 (i) All U.G., P.G. & P.G. Diploma Courses (Odd Semester) | |
| (a) Commencement of classes | 01.08.2020 |
| (b) Date for submitting online examination forms (except first semester) | 01.09.2020 to 15.09.2020 |
| (c) Commencement of End Semester examinations (UG/PG)* | 01.01.2021 to 25.01.2021 |
| (ii) All U.G., P.G. & P.G. Diploma Courses (Even Semester) | |
| (a) Commencement of classes | 27.01.2021 |
| (b) Date of submitting online examination forms | 15.02.2021 to 02.03.2021 |
| (c) Commencement of End Semester examinations (UG/PG)* | 26.05.2021 onwards |
| 8. University Foundation Day Celebration and University Convocation | 01.12.2020 |
| 9. Birthday ceremony celebration of Late Shri Hemvati Nandan Bahuguna | 25.04.2021 |

* All the HODs to ensure that the sessional exams will be completed before one week of commencement of the end semester examination and it is mandatory to submit sessional awards immediately to the Controller of Examinations.

- Note:
1. All the departments of the Campuses to submit the Annual Report to IQAC latest by the first week of May, 2021
 2. All the departments of the Campuses shall conduct Orientation / Induction programme for the newly admitted PG students within one week of the commencement of classes and submit the report to IQAC. Dean of Schools to facilitate the same for UG programmes.

HNBGU, Srinagar Garhwal (A Central University)

29

PRINCIPAL

Chinmaya Degree College

शैक्षणिक कलैण्डर सत्र 2018-19

(प्रवेश समिति की बैठक दिनांक 16.04.2018 द्वारा अनुमोदित)

प्रवेश फार्म वितरण प्रारम्भ की तिथि	11.06.2018
शैक्षिक सत्र आरम्भ की तिथि	17.07.2018
(अ) बी0ए0/बी0एस-सी0/बी0काम0 एवं समस्त स्नातक पाठ्यक्रमों (प्रथम सेमेस्टर) में प्रवेश आवेदन पत्र जमा करने की अन्तिम तिथि	10.07.2018
(ब) समस्त स्नातकोत्तर कक्षाओं (प्रथम सेमेस्टर) में प्रवेश फार्म जमा करने की अन्तिम तिथि अथवा	01.08.2018
प्रवेश/अर्हकारी परीक्षा के परीक्षाफल घोषित होने के 20 दिनों के अन्तर्गत (जो भी बाद में हो)	
(स) समस्त सेमेस्टर कक्षाओं में प्रवेश आवेदन एवं प्रथम सेमेस्टर में परीक्षा फार्म भरने की अन्तिम तिथि	11.08.2018
या	
विश्वविद्यालय द्वारा पूर्व परीक्षा के अंक पत्र निर्गत होने की तिथि से 20 दिनों के अन्तर्गत (जो भी बाद में हो)	
स्नातक, स्नातकोत्तर, व्यावसायिक एवं वोकेशनल (परीक्षा सहित) पाठ्यक्रमों की अवधि	
(अ) विषम सेमेस्टर	20.07.2018 से 31.12.2018
(ब) सम सेमेस्टर	16.01.2019 से 31.05.2019
शीतकालीन अवकाश	01.01.2019 से 15.01.2019
ग्रीष्मकालीन अवकाश	03.06.2019 से 16.07.2019
(i) सभी स्नातक, स्नातकोत्तर एवं स्नातकोत्तर डिप्लोमा पाठ्यक्रम (विषम सेमेस्टर)	
(अ) शिक्षण कार्य आरम्भ की तिथि	20.07.2018
(ब) ऑन लाइन परीक्षा फार्म जमा करने की तिथि (प्रथम सेमेस्टर को छोड़कर)	01.09.2018 से 15.09.2018
(स) स्नातकोत्तर/स्नातक सेमेस्टर लिखित परीक्षा की तिथि*	01.12.2018
(ii) सभी स्नातक, स्नातकोत्तर एवं स्नातकोत्तर डिप्लोमा पाठ्यक्रम (सम सेमेस्टर)	
(अ) शिक्षण कार्य आरम्भ की तिथि	16.01.2019
(ब) ऑन लाइन परीक्षा फार्म जमा करने की तिथि	01.02.2019 से 15.02.2019
(स) स्नातकोत्तर/स्नातक सेमेस्टर लिखित परीक्षा की तिथि*	01.05.2019
विश्वविद्यालय स्थापना दिवस एवं दीक्षान्त समारोह	01.12.2018
स्वर्गीय श्री हेमवती नन्दन बहुगुणा जन्म दिवस समारोह	25.04.2019

*सभी विभागाध्यक्ष यह सुनिश्चित करें कि समस्त सेशनल/आंतरिक परीक्षाएं सत्रान्त सेमेस्टर परीक्षाओं के प्रारम्भ तिथि से एक सप्ताह पूर्व सम्पन्न हो जानी चाहिए तथा मूल्यांकन प्रपत्र आवश्यक रूप से परीक्षा नियंत्रक को जमा करें।

- टिप-1. सभी परिसरों के विभाग अपनी वार्षिक प्रगति आख्या को मई 2019 के प्रथम सप्ताह तक आवश्यक रूप से आई0क्यू0ए0सी0 को जमा कर दें।
2. सभी परिसरों के विभाग कक्षाएँ शुरू होने के एक सप्ताह के अन्दर नव प्रविष्ट स्नातकोत्तर विद्यार्थियों के लिए ओरियन्टेशन/इन्डवशन प्रोग्राम का आयोजन करके उसकी आख्या आई0क्यू0ए0सी0 को प्रेषित कर दें। सभी स्कूलों के संकायाध्यक्ष स्नातक कक्षा के प्रवेशार्थियों के लिए भी यही सुविधा सुनिश्चित करें।



Time Table

CHINMAYA DEGREE COLLEGE BHILHARIWAR
(EVEN SEMESTER) TIME TABLE (w.e.f. 02.05.2022)

31/4/22

Class/Period	NATIONAL ANTHEM : 10 : 30 AM				NATIONAL SONG : 2.05 PM	
	I 0:00 - 0:45	II 0:45 - 10:30	III 10:40 - 11:25	IV 11:25 - 12:10	V 12:30 - 01:15	VI 01:15 - 02 PM
B.Sc. 2nd MATHS	Chem (1-4) [15]	Maths (1-4) [15]	Phy (1-4) [33]	Maths (1-4) [33]	Phy (1-4) [33]	Phy Batch-I Batch-II Batch-III Chem Batch-I Batch-II Batch-III
B.Sc. 2nd BIO		Zoo (1-4) [15]	Env (1-4) [15]	Env (5-6) [33] Bot (1-4) [15]		BOT Batch-I Batch-II Batch-III Zoo Batch-I Batch-II Batch-III
B.Sc. 4th MATHS	Maths (3-6) [16] Math SEC (1-2) [20]	PHY (3-6) [16]	Phy Batch-I [16]	Batch-II [16]	Batch-III [16]	Maths (1-4) [16]
B.Sc. 4th BIO	Bot (3-6) [28] Bot SEC (1-4) [28]	Chem (1-4) [15]	BOT Batch-I Zoo Batch-II Chem Batch-III	Batch-II Batch-III	Batch-I Batch-II	Zoo (3-6) [28]
B.Sc. 6th MATHS	Phy Batch-I Chem Batch-II Batch-III	Lab. Practical	Maths (1-4) [16]	Maths (1-4) [16]		Phy (1-4) [33] 1,2,3 PKC Phy SEC (1,2) [33]
B.Sc. 6th BIO	BOT Batch-I Zoo Batch-II Chem Batch-III	Lab. Practical	Bot (1-4) [28]	Zoo (1-4) [28] Zoo SEC (5-6) [28]		Chem (1-4) [15]

Itam

*AAg-1
23/4/22*



CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR
(ODD SEMESTER) TIME TABLE (w.e.f.07.10.2021)

Class/Period	NATIONAL ANTHEM : 10 : 30 AM		NATIONAL SONG : 2:05 PM										
	I 9:00 - 9:45	II 9:45-10:30	III 10:40 - 11:25	IV 11:25 - 12:10	V 12:30 - 01:15	VI 01:15 - 02 PM							
B.Sc. 1st MATHS	Chem (1-4) [33] 1,2-AS 3,4-A	Math (1-4) [33] 1,2-AG 3,4-SG	Phy (1-4) [33] 1,2-PKS 3,4-BPG	Maths (3-6) [33] 3,4-X 5,6-SG Eng (1-2) [33]	Lab. Practical 1 3 5 Phy Batch-I BPG, Batch-II BPG, Batch-III PKS Chem Batch-II-AS, Batch-III-AS, Batch-IV-AS	Lab. Practical 1 3 5 Phy Batch-I BPG, Batch-II BPG, Batch-III PKS Chem Batch-II-AS, Batch-III-AS, Batch-IV-AS							
B.Sc. 1st BIO		Zoo (1-4) [15] 1,2-AK 3,4-PR	Chem (1-4) [15] 1,2-AS 3,4-A Eng. - [5-6] [15]	Bot (1-4) [15] 1,2-M 3,4-AD	Lab. Practical 1 3 5 BOT Batch-I M, Batch-II-AD, Batch-III-AD Zoo Batch-II-AK, Batch-III-PR, Batch-IV-AK Chem Batch-II-A, Batch-III-A, Batch-IV-A	Lab. Practical 1 3 5 BOT Batch-I M, Batch-II-AD, Batch-III-AD Zoo Batch-II-AK, Batch-III-PR, Batch-IV-AK Chem Batch-II-A, Batch-III-A, Batch-IV-A							
B.Sc. 3rd MATHS	Maths (3-6) [16] 3,4-X 5,6-AG	PHY (3-6) [16] 3,4-PKS 5,6-BPG	Lab. Practical 1 3 5 Phy Batch-I BPG, Batch-II PKS, Batch-III BPG/PKS Chem Batch-II-A, Batch-III-AS, Batch-IV-AS		Maths (3-6) [16] 3,4-X 4-AG 5,6-SG	Chem (3-6) [16] 1,2-AS 3,4-A 4-AG 5,6-SG							
B.Sc. 3rd BIO.	Bot (3-6) [28] 3,4-M 5,6-AD	Chem (3-6) SEC-2-2 [28] 3,4-AS 5,6-AS 6,6-A	Lab. Practical 1 3 5 BOT Batch-I M/AD, Batch-II-AD/M, Batch-III-AD Zoo Batch-II-AK, Batch-III-AK, Batch-I-PR, Chem Batch-II-S, Batch-III-S, Batch-IV-AS		Zoo (3-6) [28] 3,4-AK 5,6-PR								
B.Sc. 5th MATHS	Lab. Practical 1 3 5 Phy Batch-I-PKS, Batch-II-BPG, Batch-III-PKS Chem Batch-II-S, Batch-III-S, Batch-IV-AS		Maths (1-4) [16] 1,2-SG 5,6-AG	Maths (1,2,5,6) [16] 1-AG 2,5,6-X	Phy (1-4) [33] 1,2,3-PKS SEC(5,6) [33] 4,5,6-BPG	Chem (1-4) [33] 1,2,3-PKS SEC(5,6) [33] 4,5,6-BPG							
B.Sc. 5th BIO.	Lab. Practical 1 3 5 BOT Batch-I-M, Batch-II-AD, Batch-III-M Zoo Batch-II-PR, Batch-III-AK, Batch-I-PR Chem Batch-II-A, Batch-III-A, Batch-IV-S		Bot (1-4) [28] 1,2-AD 3,4-M	Zoo (1-4) [28] 1-4-PR SEC (5-6) X [28] 5,6-AK	Lab. Practical 1 3 5 BOT Batch-I-M, Batch-II-AD, Batch-III-M Zoo Batch-II-PR, Batch-III-AK, Batch-I-PR Chem Batch-II-A, Batch-III-A, Batch-IV-S								
<table border="0"> <tr> <td>PHYSICS PKS - Dr. P.K. Sharma BPG- Sh. B.P. Gupta</td> <td>CHEMISTRY AS- Dr. R.S. Singh MS- Anshu Sharma S- MS. SHIVANI</td> <td>ZOOLOGY AK- Dr. Ajay Kumar PR- Ms. Preema Rajput</td> <td>MATHEMATICS AG- MS. ASTHA GOYAL</td> <td>BOTANY M- Dr. Manisha AD- Ms. Ayushi Dhiman</td> <td>ENGLISH</td> <td></td> </tr> </table>							PHYSICS PKS - Dr. P.K. Sharma BPG- Sh. B.P. Gupta	CHEMISTRY AS- Dr. R.S. Singh MS- Anshu Sharma S- MS. SHIVANI	ZOOLOGY AK- Dr. Ajay Kumar PR- Ms. Preema Rajput	MATHEMATICS AG- MS. ASTHA GOYAL	BOTANY M- Dr. Manisha AD- Ms. Ayushi Dhiman	ENGLISH	
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NATIONAL ANTHEM

LUNCH BREAK

NATIONAL SONG

Handwritten signature and date: 07/10/21



CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR
ODD SEMESTER TIME TABLE (GRANT in Aid) 2020

NATIONAL ANTHEM : 10 : 50 AM

NATIONAL SONG : 3 PM

Class/Period	I		N A T I O N A L S O N G	III		IV		L U N C H B R E A K	V		VI		N A T I O N A L S O N G
	9 - 9:55 am	9:55 - 10:50 am		11 - 11:55 am	11:55 - 12:50 pm	1:10 - 2:05pm	2:05 - 3 pm						
B.Sc. I st MATHS	Chem (1-4) 1, 2 - AS 3, 4 - AA [33]	Maths (1-4) X [33]	N A T I O N A L S O N G	Phy (1-4) 1, 2 - PKS 3, 4 - BPG [33]	Maths (3-6) X ENG (1-2) - X [33]	L U N C H B R E A K	Lab Practical 1 3 5 Phy Batch-I BPG Batch-II BPG Batch-III PKS Chem Batch-II AS Batch-III X Batch-I AS		Maths (3-6) X [16]	Chem (3-6) 3, 4 - AS 5, 6 - AA SEC (1-2) - X [16]			
B.Sc. I st BIO		Zoo (1-4) 1, 2 - AK 3, 4 - X [15]		Chem [1-4] 1, 2 - AS 3, 4 - AA ENG [5-6] - X [15]	Bot [1-4] 1, 2 - M 3, 4 - X [15]		Lab Practical 1 3 5 Bot Batch-I X Batch-II M Batch-III M Zoo Batch-II AK Batch-III AK Batch-I X Chem Batch-III X Batch-I X Batch-II AA		Zoo (3-6) 3 - X 4,5,6 - AK [28]				
B.Sc. III rd MATHS	Maths (3-6) X [8]	Phy (3-6) 3, 4 - PKS 5, 6 - BPG [8]		Lab Practical 1 3 5 Phy Bat-I BPG Bat-II PKS Bat-III BPG,PKS Chem Batch-II X Batch-III X Batch-I AS			Maths (1-4) X [8]	Chem (1-4) 1, 2 - X 3, 4 - X [8]	Maths (1-4) X [8]	Phy (1-4) 1,2,3 - PKS 4 - BPG SEC (5-6) - BPG [8]			
B.Sc. III rd BIO	Bot (3-6) 3, 4 - X 5, 6 - M [28]	Chem (3-6) 3, 4 - AS 5, 6 - AA SEC (1-2) X [28]		Lab Practical 1 3 5 Bot Batch-I X Batch-II M Batch-III M Zoo Batch-II AK Batch-III AK Batch-I X Chem Batch-III X Batch-I X Batch-II AA			Chem (1-4) 1, 2 - X 3, 4 - X [Seminar Hall]	Zoo (1-4) 1, 2 - X 3, 4 - AK SEC (5-6) - X [Seminar Hall]	Bot (1-4) 1, 2 - X 3, 4 - M [Seminar Hall]				
B.Sc. V th MATHS	Lab Practical 1 3 5 Phy Bat-I PKS Bat-II BPG Bat-III PKS Chem Batch-II AA Batch-III X Batch-I AS												
B.Sc. V th BIO	Lab Practical 1 3 5 Bot Batch-I M Batch-II M Batch-III X Zoo Batch-II X Batch-III AK Batch-I X,AK Chem Batch-III X Batch-I X Batch-II X												
PHYSICS	CHEMISTRY		MATHEMATICS		BOTANY		ENGLISH		ZOOLOGY				
Dr. I. P. Sharma	AA - Dr. Alok Agarwal		X - Vacant		M - Dr. Manisha		X - Vacant		AK - Dr. Ajay Kumar				
Dr. B. K. Gupta	AS - Dr A. S. Singh				X - Vacant				X - Vacant				
X - Vacant	X - Vacant												
Dr. A. S. Singh											PRINCIPAL		



PHYSICS	CHEMISTRY	ZOOLOGY	MATHEMATICS	MICROBIOLOGY	COMPUTER SC.
DK - Dr. Om Kant MM - Mrs. Meenu Malik AD - Mr. Amardeep JT - Ms Jagriti Tyagi ST - Ms Shivani Tyagi	RC - Dr. Ruchira Chaudhary GB - Mrs. Geeta Badola KC - Ms Kamna Chauhan	SV - Dr. Sandhya Vaid SG - Dr. Shikha Gaur S - Ms Shaily BOTANY MS - Dr. Madhu Sharma	SG - Mrs. Surbhi Gupta HS - Ms Himani Sharma	D - Dr. Deepika Upadhyay NC - Dr. Nidhi Chauhan HS - Mr. Himanshu Singh AT - Ms Aarti Thakur	VDS - Dr. V.D Sharma SK - Mr. Santosh Kumar HP - Mr. Hitesh Pujari AC - Mr. Ankur Chauhan RN - Rishabh Narayan
ENGLISH					
X- Vacant					
Dr. A.S.Singh Mr. Hitesh Pujari					SFS DIRECTOR



CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR (ODD SEMESTER) TIME TABLE SFS 2020 w.e.f 25 Nov 2020														
NATIONAL ANTHEM : 10 : 30 AM				NATIONAL SONG : 2 PM										
Class/Period	I		N A T I O N A L S O N G	III		IV		L U N C H B R E A K	V		VI			
	9 - 9:45 am			9:45 - 10:30 am		10:40 - 11:25 am			11:25 - 12:10 pm		12:30 - 1:15pm		1:15 - 2 pm	
B.Sc Ist COMP. SC	Phy (1-4) 1,2 - AD 3,4 - JT [14]		Maths (1 - 3) SG [14]	Comp (3-6) VDS [14]		Maths (4-6) HS ENG [1-2] [14]		Lab Practical 2 4 6 Phy Batch-I ST Batch-II JT Batch-III AD Comp Batch-II VDS Batch-III RS Batch-I VDS		Lab Practical 2 4 6 Micro NC Batch-III Batch-I Batch-II Bot MS Batch-II Batch-III Batch-I Zoo S Batch-I Batch-II		Phy (3-6) 3,4 - MM 5,6 - JT [14]		Maths (1-2) 1 - HS 2 - SG [14]
B.Sc Ist MICRO			Micro(1,3,5) D [16]	Bot (1,3,5) MS - 1,3 [16]		Zoo (1,3,5) S ENG [5-6] [16]								
B.Sc. III rd COMP. SC	Maths (3-6) 3,4 - HS 5,6 - SG [10]		Comp.Sc.(3-6) AC [10]	Lab Practical 2 4 6 Phy Batch-I AD Batch-II MM Batch-III JT Comp Batch-II AC Batch-III AC Batch-I RN		Lab Practical 2 4 6 Micro AT Batch-III Batch-I Batch-II Bot MS Batch-II Batch-III Batch-I								
B.Sc. III rd MICRO	Micro (1,3) AT SEC (5) NC [7]		Bot (1,3,5) MS- 3,5 ENG [5-6] [7]	Zoo SG Batch-I Batch-II		Phy SEC (1-2) 1 - OK 2 - ST 3-6 AD [7]								
B.Sc. V th COMP. SC	Lab Practical 2 4 6 Phy Batch-I MM Batch-II ST Batch-III OK Comp Batch-II SK Batch-III SK Batch-I HP			Maths (1-4) 1,2 - SG 3,4 - HS [7]		Phy SEC (1-2) 1 - OK 2 - ST 3-6 AD [7]		Comp Sc (3-6) SK [7]						
B.Sc. V th MICRO	Lab Practical 2 4 6 Bot MS Batch-I Batch-II Batch-III Micro HS Batch-III Batch-I Batch-II 1 3 Zoo SV Batch-I & II Batch-II & I			Micro (1-4) 1,2 - D 3,4 - HS [10]		Bot (1-4) MS (3,4) [10]		Zoo (1-4) SEC (5,6) S [10]						



B.Sc. 6 th MATHS	Phy / Chem Practical 1-2 3-4 5-6 PKS AD BPG JT AS X1 AS		E M	Chem (1-4) 1,2,3 4 GB AA [16]	Maths (1-4) SG Maths SEC (5-6) SU [16]	Phy (1-4) 1-2 MM 3-4 ST [14]	Math (1-4) 1-3 HI 4 SU [14]	G									
B.Sc. 6 th BIO	Bot/Zoo / Chem Practical 1-2 3-4 5-6 M MS A S S S SV GB GB AA			Bot (1-4) 1-2 A 3-4 M Bot(SEC) 5-6 A [Seminar Hall]	Zoo (1-4) 1-4 -S [Seminar Hall]	Chem (1-4) 1,2,3 4 GB AA [Exam Hall]											
B.Sc. 6 th COMP. Sci.	Comp (3-6) HP [7]	Maths (3-6) 3-4 HI 5-6 SU [7]		Maths (3-6) SG [7]	Phy (3-6) 3-4 OK 5-6 AD Comp SEC (1-2) - HP [7]	Phy/Comp Practical 1-2 3-4 5-6 PKS ST MM JT MM HP HP SK SK											
B.Sc. 6 th MICRO	Bot/Zoo/Micro Practical 1-2 3-4 5-6 M MS A S S S SV 1-3 DU 4-6 NC			Bot. (1-4) 1-2 A 3-4 M [Seminar Hall]	Zoo (1-4) 1-4 -S [Seminar Hall]	Micro (1-4) D Micro SEC(5-6) NC [10]											
PHYSICS			CHEMISTRY			ZOOLOGY			MATHEMATICS			MICROBIOLOGY			COMPUTER SC.		
PKS - Dr. P.K.Sharma BPG - Mr. B.P.Gupta OK - Dr. Om Kant MM - Mrs Meenu Malik AD - Mr. Amardeep JT - Ms Jagriti Tyagi ST - Ms Shivani Tyagi Dr.A.S.Singh Mr. Hitesh Pujari			AA - Dr. Alok Agarwal AS - Dr A. S. Singh RC - Dr. Ruchira Chaudhary AG - Mrs Anshu Gupta GB - Mrs. Geeta Badola KC - Ms Kamna Chauhan X1-			AK - Dr. Ajay Kumar SV - Dr. Sandhya Vaid SG - Dr. Shikha Gaur AS - Mr Anshul Sharma S - Ms Shaily			SG - Dr. Shikha Gupta SU - Mrs. Surbhi Gupta HI - Ms Himani Sharma			D - Dr. Deepika Upadhyay NC - Dr Nidhi Chauhan HS - Mr. Himanshu Singh AT - Ms Aarti Thakur			VDS - Dr. V.D.Sharma AC - Mr. Ankur Chauhan HP - Mr. Hitesh Pujari SK - Mr. Santosh Kumar		
						BOTANY M - Dr. Manisha MS - Dr. Madhu Sharma A - Ms Aradhana											
															Principal		



CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR
(EVEN SEMESTER) TIME TABLE (w.e.f. 7.02.2020)

NATIONAL ANTHEM : 10 : 00 AM

NATIONAL SONG : 2:05 PM

Class/Period	I		III	IV	V	VI	VII		VIII
	8:00 - 9:00	9:00 - 10:00					10:05 - 11:05	11:05 - 12:05	
B.Sc. 2 nd MATHS	Chem (1-4) 1-2 AA 3-4 AS [14]	Maths (1-4) 1-2 HI 3-4 SU [14]	Phy (1-4) 1-2 BPG 3-4 PKS [14]	Maths (3-6) 3-4 SU 5-6 SG ENV (1-2) [14]	Phy/Chem Practical 1-2 3-4 5-6 BPG PKS JT AA AS RC				
B.Sc. 2 nd BIO				Chem [1-4] 1-2 AA 3-4 AS [15]	Bot [1-4] 1-2 M 3-4 MS [15]	Zoo [1-4] 1-2 AK 3-4 AS ENV [5-6] [15]			CHEM/BOT/ZOO LAB 1-2 3 4 5 6 X KC RC GB AG A M MS AK SG AS
B.Sc. 2 nd COMP. Sci.	Maths(1,2,5,6) 1-2 HI 5-6 SU [33]	Phy (1-4) 1-2 ST 3-4 PKS [33]	Phy / Comp Practical 1-2 3-4 5-6 PKS MM JT VDS RN RN		Comp (1 - 4) VDS [33]	Maths (3-6) 3-4 SG 5-6 SU ENV [1-2] [33]			
B.Sc. 2 nd MICRO		Micro(1-4) HS [28]	Zoo (1-4) 1-2 AK 3-4 AS [28]	Bot (1-4) 1-2 M 3-4 MS ENV [5-6] [28]	Bot/Zoo/ Micro Practical 1-2 3-4 5 - 6 A M MS SV AK AK S HS				
B.Sc. 4 th MATHS	Maths (3-6) 3-4 HI [16]	Phy (3-6) 3-4 BPG 5-6 PKS [16]	Phy / Chem Practical 1-2 3-4 5-6 OK AD BPG X1 X1 AA		Maths (3-6) 3 SU 4 HI 5-6 SG Maths SEC(1-2) SU [16]	Chem (3-6) 3-5 KC 6 AS [16]			
B.Sc. 4 th BIO		Bot (3-6) 3-4 A 5-6 M Bot (SEC 1-2) MS [33]	Bot/Zoo/Chem Practical 1-2 3-4 5 - 6 MS A M MS KC KC X1 AS AK AS		Chem (3-6) 3-5 6 KC AS [28]	Zoo (3-6) 3-4 SV 5-6 AS [28]			
B.Sc. 4 th COMP. Sci.	Phy / Comp Practical 1-2 3-4 5-6 AD OK ST - AC -		Maths (3-6) 3-6 HI Maths SEC (1-2) SU [8]	Phy (3-6) 3-4 BPG 5-6 PKS [8]	Maths (1,2,4,5) 1-2 SG 4 SU 5 H [8]	Comp.Sc.(3-6) AC [8]			
B.Sc. 4 th MICRO	Zoo (1-4) 1-2 SV 3-4 AK [8]	Micro(3-4) AT [8]	Bot/Zoo/ Micro Practical 1-2 3-4 5 - 6 A M M A AS AK AS AT		Bot (3-6) 3-4 A 5-6 MS Bot [SEC 1-2] M [7]				



CHEMISTRY

CLASS	8:55-9:40 AM	9:40-10:25 AM	10:25-10:30 AM	10:35-11:15 AM	11:15-12 PM	12-12:45 PM	12:45-01:30 PM	
B SC I SEM MATHS			N A T I O N A L A N T H E M	R.No.-15 chem(1-4) AA AS			CHEM LAB (1,2) AS (3,4) AS 5,6	
B SC I SEM BIO		R.No.-16 chem(1-4) AS AA					CHEM LAB (1,2) AA 3,4 (5,6) AA	
B SC III SEM MATHS	R.No.-7 chem(3-6) Sec (1,2) (1,2) KC (3,4)AA (5,6) AS				CHEM LAB 1,2 3,4 5,6 AA			
B SC III SEM BIO					CHEM LAB 1,2 3,4 5,6 KC AS	R.No.-8 chem(3-6) Sec (1,2) (1,2) KC (3,4)AA (5,6) AS		
B SC V SEM MATHS	(1,2) X1	CHEM LAB (3,4) KC (5,6) X1				R.No.-28 chem(1-4) (3,4)KC, (1,2)X1		
B SC V SEM BIO	(1,2)	CHEM LAB (3,4) (5,6) KC					R.No.-16 CHEM(1-4) (1,2)X1 (3,4)KC	

6

AA-7



CHINMAYA DEGREE COLLEGE, BHEL, HARIDWAR
TIME TABLE : 2019-20

(Physics)

5

Class/Period	I 8:55 - 9:40	II 9:40 - 10:25	10:25 - 10:30	III 10:30 - 11:15	IV 11:15 - 12:00	V 12:00 - 12:45	VI 12:45 - 01:30	1:30 - 1:35	VII 1:35 - 2:20
B.Sc. 1 st Sem. (MATHS Gr.)	Phy (1-4) [15] 1- PKS 2, 3 - BPG 4 - AD		N A T I O N A L S O N G			Phy./ Chem. Practical 1,2- PKS 3,4 - BPG 5,6 - MM		N A T I O N A L S O N G	E X T R A C U R R I C U L A R A C T I V I T I E S
B.Sc. 1 st Sem. (COMP. Sci. Gr.)	---	---		Phy./ Comp. Practical 1,2, - PKS 3,4 - AD 5 - AD 6- PKS	Phy (3-6) [14] 3,4 - PKS 5,6 - AD				
B.Sc. 3 rd Sem. (MATHS Gr.)		Phy. (3-6) [7] 3,4 -BPG 5,6 - PKS		Phy. / Chem Practical 1,2- BPG 3,4 - MM 5,6 - ST					
B.Sc. 3 rd Sem. (COMP. Sci. Gr.)	Phy. / Comp. Practical 1,2- ST 3,4 - JT 5,6 - AD				Phy. (1-4) [10] 3,4 - PKS 1,2 - MM				
B.Sc. 5 th Sem. (MATHS Gr.)	Phy. / Chem. Practical 1,2- OK 3,4 - PKS 5,6 -BPG						Phy.(1-4) SEC (5-6) [28] 1,2,5 - BPG 3,4 - AD 6 - OK		
B.Sc. 5 th Sem. (COMP. Sci. Gr.)				Phy.(1-4) SEC (5-6) [33] 1,2- JT 3,4 - JT 5 - PKS 6 - JT		Phy./Comp. Practical 1,2,- MM 3,4 - JT 5,6- PKS			

PKS- Dr. P.K. SHARMA
BPG- Sh- B.P. GUPTA
OK- Dr. OM KANT
MM- Mrs. MEENU MALIK

AD- Dr. AMAR DEEP
JT- Ms. JAGRITI TYAGI
ST- Ms. SHIVANI TYAGI

Bmy
Head Dept. of Physics
Chinmaya Degree College
BHEL, Ranipur Haridwar



CHINMAYA DEGREE COLLEGE HARIDWAR										TIME TABLE JULY-DEC 2019		
CLASS	8:55-9:40AM	9:40-10:25AM	10:25-10:30	10:35-11:15AM	11:15-12PM	12-12:45PM	12:45-1:30PM	1:30-1:35	1:35-2:20	2:20-3:05PM	MENTOR	
B.Sc I SEM MATHS	R.No 15 PHY(1-4)	R.No 15 MATHS(1-4)	N A T I O N A L S O N G	R.No 15 CHEM(1-4)	R.No 15 MATHS(3-6) ENG(1-2)	PHY/CHEM LAB 1,2 3,4 5,6		N A T I O N A L S O N G	E X T R A		Dr. A.S. Singh	
B.Sc I SEM BIO		R.No 16 CHEM(1-4)		R.No 16 ZOO(1-4)	R.No 16 BOT(1-4) ENG(5-6)	CBZ LAB 3,4 5,6					Dr. Alok Agarwal	
B.Sc I SEM MICRO I					Seminar Hall MICRO(1-4)	Seminar Hall BOT(1-4)	Seminar Hall ZOO(1-4) ENG(5-6)			MCB/BOT/ZOO LAB 1,2 3,4 5,6	Dr. Deepika Tadhyay	
B.Sc III SEM COMP I	R.No 14 MATHS(1-4)	R.No 14 COMP(1-4)			PHY/CS LAB 3,4 5,6		R.No 14 PHY(3-6) ENG(1-2)		R.No 14 MATHS(3-6)		Dr. Vaishno Dass	
B.Sc III SEM MATHS	R.No 7 SEC(1-2) CHEM(3-6)	R.No 7 PHY(3-6)			PHY/CHEM LAB 3,4 5,6		R.No 7 MATHS(3-6)		R.No 7 MATHS(1-4)		Dr. P.K. Sharma	
B.Sc III SEM BIO III	R.No 8 BOT(3-6)	R.No 8 ZOO(3-6)			CBZ LAB 3,4 5,6		R.No 8 SEC(1-2) CHEM(3-6)				Dr. Ajay Kumar	
B.Sc III SEM MICRO	Exam Hall MICRO(1-4) SEC(5-6)	Exam Hall BOT(1-4)			MCB/BOT/ZOO LAB 3,4 5,6		R.No 15 ZOO(1-4)				Dr. Mansha	
B.Sc III SEM COMP	PHY/CS LAB 3,4 5,6				R.No 10 MATHS(3-6)	R.No 10 PHY(1-4)	R.No 10 COMP(1-4) SEC(5-6)		R.No 10 MATHS(1-4)		Sh. Santosh Kumar	
B.Sc V SEM MATHS	PHY/CHEM LAB 3,4 5,6				R.No 28 MATHS(1-4)	R.No 28 CHEM(1-4)	R.No 28 MATHS(1-4)		R.No 28 PHY(1-4) SEC(5-6)		Sh. B.P. Gupta	
B.Sc V SEM BIO	CBZ LAB 3,4 5,6				Exam Hall BOT(1-4)	Exam Hall ZOO(1-4) SEC(5-6)	R.No 16 CHEM(1-4)				Dr. Madhu Sharma	
B.Sc V SEM MICRO	MCB/BOT/ZOO LAB 3,4 5,6					Exam Hall MICRO(1-4)			Sh. Himanshu Singh			
B.Sc V SEM COMP	R.No 33 MATHS(3-6)	R.No 33 COMP(1-4)		R.No 33 PHY(1-4) SEC(5-6)	R.No 33 MATHS(1-4)	PHY/CS LAB 1,2 3,4 5,6			Dr. Shikha Gupta			

Dr. A.S. Singh (Incharge)

Mr. Hitesh Pujari

Dr. Alok Kumar (Principal)



Dept. Of Physics

KS- Dr. P.K.Sharma
BPG- Sh. B.P.Gupta
OK- Dr..Om kant
AS- Dr. Archana Sharma
MM- Mrs. Meenu Malik
AD- Mr. Amar Deep
DR – Ms. Deepti Rani

Deptt. Of Maths

SG- Dr. Shikha Gupta
SU- Mrs. Surbhi Gupta
AC- Ms. Arjoo Chauhan

Deptt. Of Micro

DU – Dr. Deepika Upadhayay
HS – Himanshu Singh
JU – Ms. Jaya Upreti
SJ – Dr. Sadaf Jahan
AT – Ms. Arti Thakur

Deptt. of Botany

M- Manisha
Ms. Manishu Sharma

Deptt of Zoology

AK- Dr. Ajay Kumar
SV – Dr. Sandhya Vaid
AS – Sh. Anshul Sharma
Sh. – Ms. Shaily
SG- Dr. Shikha Gaur
SB- Ms. Shipra Bhatt

Deptt. of Computer
Science

VD- Dr.Vaishno Dass
SK- Sh. Santosh Kumar
AC – Sh Ankur Chauhan
HP.- Sh. Hitesh Pujari
GN- Sh- Rishabh Narayan

Deptt. of Chemistry

AA- Dr. Alok Agarwal
AS- Dr. A.S. Singh
X1- Dr. Richira Chaudhary
SG- Miss. Sarbani Gupta
AS - Mrs. Anshu Gupta
AM- Mr. Ankit Mishra
PT – Ms. Priyanka Tyagi



B.Sc. 3 rd Sem. (OMP. Sci. Gr.)	Phy. / Comp. Practical 1- AJS 1,2,3,4,5,6 2- PKS AC / RN 3, 4- AD 5, 6- DR		Maths (3-6) [EXAM HALL] 3,4- AC 5,6-SG Comp (SEC) 1,2- RN [EXAM HALL]	Phy. (3-6) [EXAM HALL] 3,4- DR 5, 6- PKS	R	Maths (3-6) [EXAM HALL] 3, 4- AC 5, 6- SU	Comp. Sc. (3-6) [EXAM HALL] 3,4,5,6-AC			3
B.Sc. 3 rd Sem. (MICRO Gr.)	Zoo (1-4) [7] 1, 2- S 3- AK 4- AS	Micro(1-4) [7] 1,2,3- HS 4- JU Micro (Sec) 5,6- JU [7]	Bot./Zoo/ Micro. Practical 1, 2- MS 1, 2- S 1, 2- HS 3, 4- M 3, 4- AK 3, 4 SJ 5, 6- X 5, 6- S 5, 6- JU		E	Bot. (1-4) [8] 1, 2- MS 3, 4- M				6/10
B.Sc. 5 th Sem. (MATHS Gr.)	Phy. / Chem. Practical 1,2- AD 1,2,3,4- AM 3, 4- OK 5, 6- AA 5, 6 BPG		Chem. (1-4) [16] 1,2-AM 3,4- PT Phy. SEC (5-6) [16] 5- BPG 6- OK	Maths (1-4) [16] 1,2- AC 3,4- SU	C	Phy. (1-4) [14] 1, 2- BPG 3, 4- AD	Math (1-4) [14] 1,2,3-SG 4- AC			
B.Sc. 5 th Sem. (BIO Gr.)	Bot./Zoo/ Chem. Practical 1, 2- M 1,2,3- AS 1, 2- PT 3, 4- MS 4- S 3, 4- AM 5, 6- X 5, 6- AK 5, 6- AS		Bot. (1-4) [10] 1,2- X 3,4 MS Zoo(SEC) (5,6)- AS [10]	Zoo. (1-4) [10] 1,2- AS 3,4- S	E	Chem. (1-4) [7] 1, 2- AM 3, 4- PT				
B.Sc. 5 th Sem. (COMP. Sci. Gr.)	Maths (3-6) [8] 3,4- SU 5,6- AC	Comp. (3-6) [8] 3,4,5,6- SK	Maths (3-6) [8] 3,4- SG 5,6- SU	Phy (1,2,5,6) [8] 1- DR 2,5,6- AD Phy. (SEC) 3- MM 4- PKS [8]	S	Phy./Comp. Practical 1,3,4- DR 1,2,3,4,5,6 2,6-AD AC / HP 5-PKS				
B.Sc. 5 th Sem. (MICRO Gr.)	Bot./Zoo/ Micro. Practical 1, 2- M 1,2,3- AS 1, 2- JU 3,4- MS 4- S 3,4- AT 5,6- X 5,6- AK 5,6- HS		Bot. (1-4) [10] 1- X 2- M 3,4- MS Zoo(SEC) (5,6) [10] 5,6- AS	Zoo (1-4) [10] 1,2- AS 3,4- S	S	Micro (1-4) [10] 1- SJ 2- JU 3,4- HS				

National Song : 2:00 PM

Room are written within ()

1, 2, 3, 4, 5, 6 denote Monday, Tuesday, Wednesday, Thursday, Friday & Saturday Respectively.



CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR

ASSEMBLY TIME : 10: 25 AM

TIME TABLE : 2018-19 (w.e.f.30.07.2018)

National Anthem : 10 : 30 AM

Class/Period	I 8:55 - 9:40	II 9:40 - 10:25	III 10:30 - 11:15	IV 11:15 - 12:00	12: to 12:30	V 12:30 - 01:01:15	VI 01:15 - 02:00	VII 02:00 - 02:45	VIII 02:45 - 03:30
B Sc 1 st Sem. (MATHS Gr.)	Phy (1-4) [14] 1- PKS 2- AJS 3,4 - BPG	Maths(1-4) [14] 1, 2 -SG 3, 4 -AC	Chem.(1-4) [14] 1, 2- AA 3, 4- AS	Maths (3-6) [14] 3,4- SG 5, 6- SU Eng.(1-2) [14]	R	Phy/ Chem. Practical 1 -PKS 1, 2- AA 2 -AJS 3,4- AG 3, 4 BPG 5, 6- MM			
B Sc 1 st (BIO Gr.)		Chem.(1-4) [15] 1, 2 - AA 3,4 - AS	Zoo.(1-4) [15] 1, 2 - AK 3,4 -AS	Bot. (1- 4) [15] 1,2- M 3,4- X Eng. (5-6) [15]	E	Zoo/ Bot / Chem Practical 1, 2- AS 1, 2- X 1, 2- AS 3, 4- S 3, 4 -MS 3, 4- PT 5, 6- AK 5, 6- M 5, 6- AM			
B Sc 1 st Sem. (COMP Sci. Gr.)			Maths(1-4) [33] 1, 2 -SG 3, 4 -SU	Phy. (1-4) [33] 1, 2 -PKS 3, 4 -AD	C	Comp. (1 - 4) [33] 1,2,3,4 -VDS	Maths (3-6) [33] 3-AC 4,5,6- SG Eng. (1- 2) [33]	Phy/ Comp. Practical 1-MM 1, 2,3,4,5,6 2-DR VDS / SK 3,AJS 4,5, 6- PKS	
B Sc 1 st (MICRO Gr.)				Micro(1-4) [28] 1, 2 -AT 3 - JU 4 - DU	E	Bot. (1- 4) [28] 1, 2 -M 3, 4 -X	Maths (3-6) [28] 1, 2- AK 3, 4- AS Eng. (5, 6) [28]	Bot./Zoo./ Micro. Practical 1, 2, 3- M 1, 2- AS 1, 2- HS 4- MS 3- S 3- SJ 5, 6- X 4, 5, 6- AK 4 - DU 5, 6- JU	
B Sc 3 rd Sem. (MATHS Gr.)	Maths (3-6) [16] 3, 4 - AC 5, 6 -SU	Phy. (3-6) [16] 3, 4 -BPG 5, 6 -PKS	Phy. / Chem. Practical 1, 2 -BPG 1, 2- AS 3 -PKS 3,4- AA 4- AJS 5, 6- AM 5 - AD 6 -MM		S	Maths (3-6) [16] 3, - SU 4, 5, 6 -SG	Chem.(3-6) [16] 3,4 -AS 5, 6- AA Chem (SEC) 1, 2 - PT [16]	Extra Period taken by Regular Staff in SFS	
B Sc 3 rd Sem. (BIO Gr.)		Bot. (3-6) [33] 3,4 -M 5,6 - MS	Bot./Zoo./ Chem. Practical 1, 2- MS 1, 2- S 1, 2- RC 3, 4- M 3, 4 -AK 3, 4- AM 5, 6- X 5, 6- S 5, 6- AM		S	Chem.(3-6) [15] 3,4-AA 5,6-AS Chem (SEC) 1, 2- SG [15]	Zoo. (3-6) [15] 3,4- AK 5, 6- S		



**CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR
(EVEN SEMESTER) TIME TABLE (w.e.f.21.04.2022)**

NATIONAL ANTHEM : 10 : 30 AM				NATIONAL SONG : 2:05 PM			
Class/Period	I 9:00 - 9:45	II 9:45-10:30	III 10:40-11:25	IV 11:25-12:10	V 12:30-01:15	VI 01:15-02 PM	
B.Sc. 2nd MATHS	Chem(1-4) [33]	Math(1-4) [33]	Phy (1-4) [33]	Maths (1-4) [33] Env (5-6) [33]	Lab. Practical 1 3 5 Phy Batch-1- Batch-II- Batch-III- Chem Bat II - Batch -III- Batch-I-		
B.Sc. 2nd BIO		Zoo. (1-4) [15]	Chem.(1-4) [15] Env. - [5-6] [15]	Bot (1-4) [15]	Lab. Practical 1 3 5 BOT Batch-1- Batch-II- Batch-III- Zoo Batch II- Batch-III- Batch-I- Chem Batch III- Batch I- Batch II-		
B.Sc. 4th MATHS	Maths (3-6) [16] Math SEC(1-2) [16]	PHY(3-6) [16]	Lab. Practical 1 3 5 Phy Batch-1 Batch-II- Batch-III- Chem Batch II- Batch-III- Ba tch I-		Maths (3-6) [16] Chem.(3-6) [16]		
B.Sc. 4th BIO.	Bot (3-6) [28] Bot SEC (3-6) [28]	Chem.(3-6) [28]	Lab. Practical 1 3 5 BOT Batch-1 Batch-II- Batch-III- Zoo Batch II- Batch-III- Batch-I- Chem Batch III- Batch I- Batch II-		Zoo (3-6) [28]		
B.Sc. 6th MATHS	Lab. Practical 1 3 5 Phy Batch-1-PKS Batch-II-BPG Batch-III-PKS Chem Batch II-S Batch -III-S Batch I- AS		Maths (1-4) [16] 1,2-SG 5,6-AG	Maths (1,2,5,6) [16] 1-AG 2,5,6-X	Phy (1-4) [33] 1,2,3- PKS SEC(5,6) [33] 4,5,6- BPG		
B.Sc. 6th BIO.	Lab. Practical 1 3 5 BOT Batch-1-M Batch-II-AD Batch -III-M Zoo Batch II-PR Batch -III-AK Batch I- PR Chem Batch III-A Batch I-A Batch II-S		Bot (1-4) [28] 1,2-AD 3,4 -M	Zoo(1-4) [28] 1-4-PR SEC (5-6) X [28] 5,6- AK	Chem(1-4) [28] 1, 2, 3- S 4- A		
PHYSICS PKS - Dr. P.K.Sharma BPG- Sh. B.P. Gupta		CHEMISTRY AS- Dr. A.S. Singh A- Ms. Anju Sharma S-MS.SHIVANI		ZOOLOGY AK- Dr. Ajay Kumar PR- Ms.Pruna Rajput		MATHEMATICS AG-MS. ASTHA GOYAL	
				BOTANY M- Dr. Manisha AD- Ms. Ayushi Dhiman		ENGLISH AAS-1	

*Asst
Incharge
Time Table*



CHINMAYA DEGREE COLLEGE BHEL, HARIDWAR
(3rd and 5th Semester) TIME TABLE [w.e.f.20.09.2022]

Chemistry

NATIONAL ANTHEM : 10 : 30 AM		NATIONAL SONG : 2:05 PM		
Class/Period	I	II	VI	
	9:00 - 9:45	9:45-10:30	01: 15 -02 PM	
B.Sc. 3rd MATHS	Maths (3-6) [16] 3,4- 5,6-	PHY(3-6) [16] 3,4- 5,6-	NATIONAL ANTHEM LUNCH BREAK	Maths (3-6) [16] 3- 4-A 5,6-
	Bot (3-6) [28] 3,4 - 5,6 -	Chem (3-6) SEC-1,2 [28] 3,4 - 2,6 - 1,5 -		Zoo (3-6) [15] 3,4 - 5,6-
B.Sc. 5 th MATHS	Lab. Practical 1 3 5		NATIONAL ANTHEM LUNCH BREAK	Phy (1-4) [33] 1,2,3- SEC(5,6) [33] 4,5,6 -
	Phy Batch-1- Batch-II- Batch-III- Chem Batch II- Batch-III- Batch I-	Maths (1-4) [16] 1,2- 5,6-		Maths (1,2,5,6) [16] 1- 2,5,6-
B.Sc. 5 th BIO.	Lab. Practical 1 3 5		NATIONAL ANTHEM LUNCH BREAK	Bot (1-4) [28] 1,2 - 3,4 -
	BOT Batch-1- Batch-II- Batch-III- Zoo Batch II- Batch-III- Batch I- Chem Batch III- Batch I- Batch II-	Maths (1-4) [16] 1,2- 5,6-		Zoo(1-4) [28] 1-4 - SEC (5-6) [28] 5,6-

Dr. A.S. Singh
 Dr. A.S. Singh

Incharge
 Time Table

Dr. Alok Agrawal
 Dr. Alok Agrawal 15/9
 Principal



Teaching Plan

B.Sc. I Semester
Core Course – Physics
Mechanics

S. No.	Units	Topics	Lectures Required
1.	Vectors	1. Vector algebra – intro - Scalar and vector triple products - Properties of vector Triple Products 2. Reciprocal set of vectors – definition 3. Vector derivatives – intro - Differentiation of a vector w.r.t. a scalar – expl. - Differentiation of sum and products - Partial differentiation of vectors - Radial and transverse velocity 4. Vector integrals – intro - Scalar and vector field - Line, Surface & Volume integral – explanation - Gradient, Divergence & curl of a vector field	05
2.	Ordinary Differential Equation	1. Differential Equation – intro - Types of D.E. –ordinary and partial - Order & degree of differential equation 2. Linear and non-linear differential equations 3. Solution of differential equation- methods expl. 4. Equation of the first order and first degree – expl. 5. Homogeneous & linear equations - explanation - Solution of Linear differential equation	06



S.No.	Units	Topics	Lectures Required
3.	Laws of Motion	1. Reference frame – intro - Inertial & non-inertial reference frame – expl. 2. Newton's laws in reference frame – intro - Newton's first, second & third law – expl.	03
4.	Momentum and energy	1. Concept of work – intro - Work done in a stretched spring – derivation - Work-energy theorem – proof 2. Conservative and non-conservative forces - Definition & explanation - Central force is conservative – proof - Concept of Potential energy – explanation - Curl of a conservative force – derivation - Conservation of mechanical energy – proof - Linear restoring force – proof - Potential energy of simple pendulum – proof 3. Centre of mass – intro - equation of centre of mass - Motion of centre of mass - Linear momentum with centre of mass - Conservation of linear momentum 4. Angular momentum of system of particles – proof 5. Rocket : System of Variable Mass – intro - Motion of Rocket - theory	06



S.No.	Units	Topics	Lectures Required
5.	Rotational Motion	<ol style="list-style-type: none">Torque – intro<ul style="list-style-type: none">- Translational & Rotational motion – explanation- Angular velocity & Angular acceleration – def.- Torque acting on a particle – definition- Angular momentum of a particle – definition- Relation between torque & angular momentumMoment of Inertia – definition<ul style="list-style-type: none">- radius of gyration – definition- K.E. of a rotating body – definition- Angular momentum of a rotating bodyTheorem of parallel axis – proofTheorem of perpendicular axis – proofConservation of Angular momentum -proof	06
6.	Gravitation	<ol style="list-style-type: none">Central forces – definition<ul style="list-style-type: none">- areal velocity remains constant – proofKepler's laws of planetary motion – theory/proof<ul style="list-style-type: none">- The Law of elliptical orbits – explanation- The Law of areas – explanation- The Harmonic law – explanation- Conclusion of Newton from Kepler's lawsNewton's law of Gravitation – definitionPeriod of motion of a planet about sun – expl.	08



S.No.	Units	Topics	Lectures Required
		5. Satellite – intro - Launching of an artificial satellite – explanation - Revolution of a satellite around planet – proof - Geo-stationary Satellite – explanation - Weightlessness inside satellite - theory - Escape velocity and orbital velocity – proof 6. - Global Positioning System – Basic idea	
7.	Fluids	1. Surface Tension – definition - Surface energy – explanation 2. Pressure difference b/w two side of curved surface - theory & derivation - Excess pressure inside air bubble – proof 3. Effect of temperature on surface tension – expl. 4. Determination of surface tension – explanation - Jaeger’s method – description 5. Viscosity – intro - Stream-lined & turbulent flow – explanation - Critical velocity and Reynolds number - Velocity gradient – explanation - Coefficient of viscosity – definition - Poiseuille’s formula – derivation - Determination of viscosity of water – description 6. Determination of coefficient of viscosity – intro - Rotating cylinder method – description	09



B.Sc. II Semester
Core Course – Physics
Electricity and Magnetism

S. No.	Units	Topics	Lectures Required
1.	Vector Analysis	<p>1. Multiplication of Vectors - intro</p> <ul style="list-style-type: none">- Explanation of dot and cross product- Scalar and Vector Product of two vectors- Characteristics of each product <p>2. Polar and Axial Vectors</p> <ul style="list-style-type: none">- Definition and explanation <p>3. Gradient of a scalar field</p> <ul style="list-style-type: none">- Definition and explanation <p>4. Divergence and curl of a vector field</p> <ul style="list-style-type: none">- Divergence - Definition and explanation <p>5. Gauss's Theorem of divergence</p> <ul style="list-style-type: none">- Gauss's Law, Poisson's and Laplace Eq.- Curl – Definition and explanation <p>6. Stokes' Theorem – Definition and explanation</p> <p>7. Vector Integration</p> <ul style="list-style-type: none">- Line Integral- Surface Integral- Volume Integral	12



S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none"> - Effect of temperature on viscosity – explanation 7. Stokes' law of viscous force – theory - Calculation of terminal velocity - viscosity of highly viscous liquid - velocity of rain drops 	
8.	Elasticity	<ol style="list-style-type: none"> 1. Elasticity – intro <ul style="list-style-type: none"> - Perfectly elastic – explanation - Stress, strain, shear – definition 2. Hook's law – definition <ul style="list-style-type: none"> - Behaviour of wire under increasing load – theory 3. Young's modulus, Bulk modulus – definition 4. Modulus of Rigidity, Poisson's ratio – definition <ul style="list-style-type: none"> - Relation among elastic constants – proof 5. Difference b/w Angle of twist & angle of shear <ul style="list-style-type: none"> - Twisting couple on a cylindrical rod – proof - Torsional rigidity – definition 6. Determination of Modulus of Rigidity <ul style="list-style-type: none"> - Barton's Statical method – theory & method - Torsional oscillation – explanation - Maxwell's Needle – theory & procedure 7. Bending Beam method – theory & method <ul style="list-style-type: none"> - Longitudinal filament, Neutral surface- Def. - Plane of Bending, Neutral Axis – Def. 	10



S.No.	Units	Topics	Lectures Required
2.	Electrostatics	<ol style="list-style-type: none">1. Coulomb's Law - Definition and explanation<ul style="list-style-type: none">- Electric Field Strength2. Gauss's Law and its applications<ul style="list-style-type: none">- Electric Flux- Definition and explanation3. Electric Field of a uniformly charge sphere<ul style="list-style-type: none">- Derivation and explanation4. Electric Field due to an infinite line of charge<ul style="list-style-type: none">- Derivation and explanation5. Electric field of an infinite plane sheet of charge<ul style="list-style-type: none">- Derivation and explanation6. Electric field due to charged conductor<ul style="list-style-type: none">- Derivation and explanation7. Electric Potential – Definition and explanation<ul style="list-style-type: none">- Electric Potential as line integral of field- Electric field as negative gradient of potential8. Potential due to a dipole – derivation and exp.9. Potential due to a charged shell<ul style="list-style-type: none">- Internal and external point – derivation10. Capacitance – Definition and Explanation<ul style="list-style-type: none">- Energy of a charged conductor	22



S.No.	Units	Topics	Lectures Required
		11. Capacitor – Definition and explanation - Parallel Plate Capacitor – derivation - Spherical capacitor - Cylindrical capacitor - Capacitor in series and parallel	
		12. Dielectric - Definition and explanation - Electric Polarisation of matter - Gauss's law of dielectrics – derivation - Parallel plate capacitor with a dielectric slab - Derivation	
		13. Electric Intensity – Definition & Expl. Electric Polarisation – Definition & Expl. Electric Displacement – Definition & Expl. - Derive relation among these	
		14. Atomic polarizability – Definition & Expl. Electric Susceptibility – Definition & Expl. Dielectric constant – Definition & Expl. Permittivity – Definition & Expl. - Derive relation among these	
		15. Molecular Polarizability - explanation - Molecular Field in a Dielectric	



S.No.	Units	Topics	Lectures Required
3.	Magnetism	<ol style="list-style-type: none">1. Biot-Savart Law – Definition and Explanation<ul style="list-style-type: none">- Magnetic field due to a long conductor – Deriv.- Force between two parallel conductors – Expl.2. Magnetic field on the axis of circular loop – Deriv.<ul style="list-style-type: none">- Variation of the field – explanation3. Magnetic field induction due to solenoid – Deriv.4. Ampere’s circuital law – Definition and Deriv.5. Divergence and curl of magnetic field<ul style="list-style-type: none">- Definition and explanation6. Magnetic Dipoles - Explanation7. Magnetic Scalar & Vector Potential<ul style="list-style-type: none">- Derivation and explanation8. Magnetic Properties of matter – explanation<ul style="list-style-type: none">- Magnetic Induction – Def. & expl.- Intensity of magnetisation – Def. & expl.- Magnetic Field Intensity – Def. & Expl.9. Gauss’ law in magnetism – Def. & expl.10. Magnetic Susceptibility – Def. & Expl.<ul style="list-style-type: none">- Magnetic Permeability – Def. & Expl.11. Magnetic Substance – explanation<ul style="list-style-type: none">- Dia, Para & Ferro substance & Characteristics- Atomic model explanation of magnetism- Curie temperature - explanation	10



S.No.	Units	Topics	Lectures Required
4.	Electromagnetic Induction	<ol style="list-style-type: none">1. Electromagnetic Induction – Explanation<ul style="list-style-type: none">- Farady's law – first & second law -Definition- Induced emf from Lorentz force- motion of charge in changing magnetic field- Time varying magnetic field2. Farady's law in universal form – derivation3. Vector potential in varying magnetic field- deriv.4. Self-induction – explanation<ul style="list-style-type: none">- Coefficient of self induction – def. & deriv.- Determination of self – inductance- Magnetic energy in a magnetic field – deriv.5. Mutual Induction – explanation<ul style="list-style-type: none">- Coefficient of mutual induction – def. & deriv.- Measurement of mutual inductance6. Inductance in series and parallel<ul style="list-style-type: none">- Calculation of equivalent inductance	06



B.Sc. III Semester

Core Course – Physics

Thermal Physics and Statistical Mechanics

S.No.	Units	Topics	Lectures Required
1.	Thermodynamic description of System	<ol style="list-style-type: none">1. System and its surroundings – Introduction2. Zeroth law of thermodynamics and temperature<ul style="list-style-type: none">- Explanation with diff. between temp. & heat3. Equivalence of heat work – explanation<ul style="list-style-type: none">- Thermodynamic system – intro- external work & internal work – intro4. Dependence of work done on the path<ul style="list-style-type: none">- cyclic process – explanation5. Internal energy of a system – intro<ul style="list-style-type: none">- First law of thermodynamics – explanation6. Some Thermodynamic processes - explanation<ul style="list-style-type: none">- Cyclic, isobaric, isochoric, adiabatic7. Ideal gas – explanation<ul style="list-style-type: none">- equation of state & specific heats of a gas – deriv.- external work done by an ideal gas in Isothermal and adiabatic expansion8. Isothermal and adiabatic process – Expl. & deriv9. quasi-static process – explanation10. Heat engine – thermal efficiency – explanation11. Carnot's reversible heat engine – explanation	14



S.No.	Units	Topics	Lectures Required
5.	Maxwell's equations and electromagnetic wave propagation	<ol style="list-style-type: none">1. Equation of continuity – explanation & deriv.2. Maxwell's displacement current<ul style="list-style-type: none">- derivation & explanation3. Maxwell's equation of electromagnetism<ul style="list-style-type: none">- Derivation of Maxwell's first, second, third & fourth eq.4. Electromagnetic waves – introduction<ul style="list-style-type: none">- derivation of eq. for plane electromagnetic Waves- relation between magnitudes of E and B5. Poynting vector – derivation & explanation<ul style="list-style-type: none">- Momentum of an electromagnetic wave6. Reflection and refraction of EM wave<ul style="list-style-type: none">- derivation & explanation7. Polarisation by reflection – derivation<ul style="list-style-type: none">- derivation of reflection coefficient8. Total internal reflection – deriv. & explanation	10

Total Lectures = 60



S.No.	Units	Topics	Lectures Required
3.	Kinetic Theory of Gases	<ol style="list-style-type: none">1. Kinetic theory of matter – explanation2. kinetic theory of gases – explanation<ul style="list-style-type: none">- Pressure exerted by a gas – expl. & derivation- rms speed – derivation & application3. Kinetic interpretation of temperature – explanation4. Law of equipartition of energy - explanation<ul style="list-style-type: none">- degrees of freedom- calculation of ratio of specific heats for mono, Dia and triatomic gases5. Maxwell's law of distribution of speeds – deriv.<ul style="list-style-type: none">- calculation of average speed- calculation of rms speed- calculation of most probable speed- momentum wise distribution of speeds- energy wise distribution of speeds6. Mean free path – explanation and derivation7. Transport Phenomena – theory<ul style="list-style-type: none">- viscosity of a gas – theory and derivation- Thermal conductivity of a gas – theory & deriv.- Diffusion of gases – theory and derivation	12



S.No.	Units	Topics	Lectures Required
		<p>12. Carnot's ideal refrigerator</p> <ul style="list-style-type: none">- Coefficient of performance <p>13. Second law of thermodynamics – explanation</p> <p>14. Carnot's theorem – explanation</p> <p>15. Absolute scale of temperature</p> <p>16. Entropy – physical significance - intro</p> <ul style="list-style-type: none">- change in reversible & irreversible cycle- entropy & second law – explanation- carnot cycle on T-S diagram- Entropy change in various phenomenon <p>17. Third law of thermodynamics</p> <ul style="list-style-type: none">- Nernst heat theorem- Entropy and disorder	
2.	Thermodynamic Potentials	<p>1. Maxwell's four thermodynamic relations</p> <ul style="list-style-type: none">- explanation & derivation <p>2. Clausius clapeyron equation – derivation</p> <p>3. expression for $C_p - C_v$ - derivation</p> <p>4. First and second T dS equation – derivation</p> <p>5. Joule-Thomson effect – explanation & deriv.</p> <p>6. Thermodynamic Potentials – explanation</p> <ul style="list-style-type: none">- Internal energy, Helmholtz function, EnthalpyGibbs function	10



S.No.	Units	Topics	Lectures Required
5.	Statistical Mechanics	<ol style="list-style-type: none">1. Probability of a distribution – derivation - calculation of most probable distribution2. Maxwell- Boltzmann Distribution law – derivation3. Ensemble – theory4. Phase space – theory - microstate and macrostate of a system5. Classical and quantum statistics6. Maxwell-Boltzmann classical statistics - theory & derivation7. Bose-Einstein quantum statistics - theory & derivation8. Fermi-Dirac quantum statistics - theory & derivation9. Comparison of three statistics	12

Total Lectures = 60



S.No.	Units	Topics	Lectures Required
4.	Theory of Radiation	<p>1. Radiation – intro</p> <ul style="list-style-type: none">- Prevost's theory of exchanges – theory- Characteristics of thermal radiation- Pressure of radiation – derivation- concept of energy density <p>2. Black Body – intro</p> <ul style="list-style-type: none">- Emissive & absorptive power – definition- Kirchoff's law – explanation <p>3. Stefan's law – definition and derivation</p> <ul style="list-style-type: none">- Experimental verification- Stefan-Boltzmann law – theory and experimental determination <p>4. Spectral distribution of energy in black-body Radiation – explanation</p> <ul style="list-style-type: none">- Wein's displacement law – derivation- Wien's distribution law – derivation- Rayleigh-Jeans law – derivation <p>5. Planck's radiation formula – derivation</p> <ul style="list-style-type: none">- Derivation of Rayleigh- Jeans & Wien's law From Planck's law- Derivation of Wien's Displacement law & Stefan's law from Planck's law	12



S.No.	Units	Topics	Lectures Required
		8. Beats – theory with graph - calculation of number of beats per second 9. Formation of Stationary waves –theory - characteristics of stationary waves 10. Phase and group velocity – definition & deriv. - relation between group & wave velocity	
3.	Oscillations	1. Simple harmonic motion – intro - various terms explained - Differential equation of motion - Energy of S.H.M. – Potential & kinetic - Time average & position average of energy 2. Free and damped oscillation – intro - equation of damped harmonic oscillator - Power dissipation in damped harmonic oscillator - Quality factor and relaxation time	06
4.	Sound	1. Free and forced oscillations – intro - resonance – explanation - equation of forced oscillation - sharpness of resonance 2. Fourier's theorem – intro - evaluation of constants - Analysis of saw tooth wave - Analysis of square wave	06



B.Sc. IV Semester
Core Course – Physics
Waves and Optics

A. Waves

S.No.	Units	Topics	Lectures Required
1.	Superposition of Harmonic Waves	1. Principle of superposition – theory -Linear superposition - Addition of two S.H.M. 2. Lissajous figures – theory - Perpendicular superposition - resultant with frequency in ratio 1:1 & 1:2 - graphical and analytical methods - Methods of obtaining Lissajous figures - Application of Lissajous figures	06
2.	Wave Motion	1. Wave – intro 2. Propagation of transverse & longitudinal waves - explanation with displacement curve 3. Differential equation of wave motion – derivation 4. Equation of plane progressive wave - derivation - relation between particle and wave velocity 5. Pressure equation of plane wave - derivation 6. Energy distribution in plane progressive wave 7. Interference of waves – theory & derivation - Constructive & destructive	07

S.No.	Units	Topics	Lectures Required
		3. Fresnel's Biprism – theory & derivation - calculation of fringe width & experimental set-up - thickness of a plate 4. Phase change on reflection (Stokes' treatment) 5. Lloyd's mirror – theory & derivation - difference between biprism and Lloyd 6. Interference in thin films (division of amplitude) - condition of maxima & minima - Wedge-shaped film – theory & derivation 7. Formation of Newton's rings- - theory & derivation - diameter of bright and dark rings - experimental arrangement - determination of refractive index of a liquid - general expression for rings 8. Fringes of equal thickness and equal inclination 9. Michelson Interferometer – theory - Construction & working - Adjustment of the M.I. - Determination of wavelength - Determination of difference in wavelength	

S.No.	Units	Topics	Lectures Required
		3. Acoustics of Building – intro - Acoustic characteristics of hall & auditorium - Reverberation - Sabine formula and absorption coefficient - Sabine formula for a live room - Reverberation time in dead room	

B. Optics

S.No.	Units	Topics	Lectures Required
5.	Wave theory of light	1. Nature of light – intro 2. Huygens' principle – theory - Reflection of a plane wave - Refraction of a plane wave - Total Internal Reflection - Refraction through a lens	03
6.	Interference	1. Interference of light – intro 2. Young's experiment (division of wavefront) - Resultant intensity of two interfering waves - fringe width - conditions for interference of light - coherent sources	13

S.No.	Units	Topics	Lectures Required
		3. Doubly-Refracting Crystals – theory - optic axis of the crystal - principal section of the crystal - double refraction 4. Nicol's prism – Construction & action 5. Law of Malus – theory 6. Plane, circular and elliptical polarised light - theory & representation 7. Quarter-wave plate – construction & working 8. Half-wave plate – construction & working 9. Production of Plane polarised light - Production of circular polarised light - Production of elliptical polarised light - Distinction among these 10. Analysis of polarised light - explanation	

Total Lectures = 60



S.No.	Units	Topics	Lectures Required
7.	Diffraction of Light	<ol style="list-style-type: none">1. Fresnel's Half-Period zones – theory<ul style="list-style-type: none">- construction of half-period zones- amplitude due to a zone- resultant amplitude due to all zones2. Zone plate and its construction<ul style="list-style-type: none">- theory of zone plate- multiple focus of zone plate3. Diffraction of light – theory<ul style="list-style-type: none">- Fresnel and Fraunhofer diffraction- Division of cylindrical wavefront- Diffraction at a straight edge – theory & deriv.- Diffraction at a narrow wire- Diffraction at a rectangular aperture4. Fraunhofer's diffraction at a single slit<ul style="list-style-type: none">- theory & derivationDiffraction at a double slit5. Plane Transmission Diffraction grating<ul style="list-style-type: none">- theory & construction- formation of multiple spectra by grating- elementary theory- determination of wavelength of light	14
8.	Polarization	<ol style="list-style-type: none">1. Polarisation of light – intro2. Brewster's law	05



S.No.	Units	Topics	Lectures Required
3.	Wave-Particle Duality (Matter Waves)	<ol style="list-style-type: none">1. De-Broglie Hypothesis of matter waves – intro<ul style="list-style-type: none">- De-Broglie wavelength of matter waves- De-Broglie wavelength of Electron- Demonstration of matter waves – intro2. Davission and Germer Experiment – explanation3. G.P. Thomson's Experiment- theory & proof4. De-broglie wavelength of Helium atoms5. Bohr Quantisation Condition –theory<ul style="list-style-type: none">- Circumference of electron orbits6. Dual nature of light and matter- explanation	06
4.	Atomic Model	<ol style="list-style-type: none">1. Atomic Structure – intro<ul style="list-style-type: none">- Thomson's model of Atom – Explanation- Rutherford's Nuclear Model of Atom – Expl.- Difficulties in Rutherford's model – discussion- Bohr's Quantum model- Wave Mechanical model2. Bohr theory of Hydrogen Spectrum – intro<ul style="list-style-type: none">- Bohr's two postulates – explanation- Emission of Spectrum – emission- Different series & their explanation- Shortcomings of Bohr's theory – discussion- Bohr theory corrected for nuclear mass3. Sommerfeld's Extension of Bohr Theory	08



B.Sc. V Semester
DSE Course – Physics
Elements of Modern Physics

S.No.	Units	Topics	Lectures Required
1.	Origin of Quantum Theory	1. Planck's Quantum hypothesis – intro - Average energy of Planck's Oscillator – proof - Planck's Radiation Formula – derivation - Energy Distribution by Planck's formula – expl. - Properties of Photon – explanation - Classical Mechanics & Origin of Quantum Th.	06
2.	Photoelectric Effect and Compton Effect	1. Photoelectric Effect – intro - Experimental observation – discussion - Dependency upon Intensity of Light – discussion - Dependency upon Frequency of Light – disc. - Laws of Photoelectric emission- explanation 2. Compton Effect – intro - Theory & Derivation - Calculation of Compton Wavelength - Experimental Verification - Measurement of Recoiled electron energy 3. Comparison of Compton & Photoelectric effect 4. Franck-Hertz Experiment – explanation - Interpretation of the curve - Demonstration of discrete energy levels	06



S.No.	Units	Topics	Lectures Required
		4. Excitation & Ionisation Potential of an atom- intro - Franck-Hertz Experiment - discussion - Interpretation of the curve 5. Bohr's Correspondence Principle - theory	
5.	Uncertainty Principle	1. Heisenberg's Uncertainty Principle - Determination of position of particle – deriv. - Diffraction of electron-beam –theory - Concept of Bohr Orbit – discussion - Uncertainty in Velocity – deriv. - Electrons in Nuclei- discussion - Complementarity Principle - discussion	04
6.	Quantum Mechanics	1. Shortcomings of old quantum theory – intro 2. Operators – intro - Eigenfunctions & Eigenvalues – definition - Properties of functions and operators - Definition of an operator - Linear, Identity, Null operator – definition - Power of an operator – definition - Inverse, singular & non-singular operators – def. 3. Postulates of wave mechanics – intro - Discussion of I, II, III & IV postulates 4. Schrodinger's Time-dependent wave equation - theory & derivation	15



S.No.	Units	Topics	Lectures Required
		5. Schrodinger's time-independent equation - theory & derivation	
		6. Orthogonality & Normalization o wave function - definition	
		7. Probability Density – derivation	
		8. Expectation values of dynamical variables - definition and properties	
		9. Different operators in Q.M. - Momentum, Velocity, Kinetic & Total Energy - Angular momentum – definitions	
		10. Principle of Superpositions – definition	
		11. Potential Problems - Potential step – derivation - Expressions for the wave functions - Probability current densities – calculation - Reflection and Transmission Coefficients	
		12. Square-well with finite sides – theory & deriv.	
		13. Particle in a rigid 1-dimensional box – deriv.	
		14. Eigen functions and Eigen values of a particle In a box – theory & derivation	
		15. Particle in a 3-D Rigid box – theory & deriv.	
		16. Quantum Tunnelling – intro - Rectangular potential barrier – theory & deriv.	

S.No.	Units	Topics	Lectures Required
		17. Particle in a finite square potential well (Non rigid) - theory & derivation 18. The harmonic oscillator – theory & derivation 19. Angular Momentum – intro - Calculation of diff. components of A.M.	
7.	Nuclear Physics	1. General Properties of Nucleus – intro - Nuclear size & shapes – discussion 2. Structure of the Nucleus – intro - Consideration of nuclear size, spin, magnetic Moment, isotopes, Proton-neutron hypothesis, Nuclear Stability - Basic Properties of an atomic nucleus – angular Momentum, Parity, symmetry, magnetic dipole Moment, electric quadrupole moment – disc. 3. Packing fraction of an isotope – intro - Unified atomic mass unit – def. - Mass defect & binding energy – def. - Binding energy curve - explanation - Angular momentum of nucleus – definition - Nuclear magnetic moment- theory & deriv. 4. Saturation phenomenon & exchange forces – intro - discussion & properties of nuclear forces	15

S.No.	Units	Topics	Lectures Required
		5. Nuclear Models – intro - Liquid drop model of nucleus – discussion - Nuclear binding energies – calculation - Short comings of Liquid-drop model – disc.	
		6. Semi-empirical mass formula – intro - Calculation of different energies - Application of semi-empirical mass formula	
		7. Natural Radioactivity – intro - Properties of alpha, beta & gamma particles - Laws of radioactive disintegration- disc. - Calculation of Half-life & Decay constant - Calculation of Mean life of a radioactive element - Soddy's displacement law – discussion - Law of successive disintegration and Radioactive equilibrium – theory & proof - Radioactive dating – calculation of age of earth	
		8. Alpha decay – theory & explanation	
		9. Beta decay – theory & explanation - Characteristics & experimental investigation	
		10. Gamma decay – theory & explanation	
		11. Nuclear Reactions – theory - Conservation laws - explanation - Cross-sections of nuclear reactions – theory	



B.Sc. V Semester
SEC Course – Physics
Electronics – I

S. No.	Units	Topics	Lectures Required
1.	Network Analysis and Network Theorem	<ol style="list-style-type: none">1. Kirchhoff's Laws – intro<ul style="list-style-type: none">- Series & parallel corrections2. Network Theorems – intro<ul style="list-style-type: none">- Thevenin, Norton, maximum power transfer, Superposition & reciprocity theorem – proof3. Low & High pass filters – intro<ul style="list-style-type: none">- theory & diff. circuits4. Four terminal network – theory & circuits5. Electronic Measuring Instruments – intro<ul style="list-style-type: none">- VTVM – theory, construction & working- CRO – theory, construction & working	10
2.	Solid State Devices	<ol style="list-style-type: none">1. Electronic Devices – intro<ul style="list-style-type: none">- General idea of diode- Triode – principle, construction & characteristics- Tetrode – principle, const. & characteristics- Pentode – principle, const. & characteristics2. Semiconductors – intro<ul style="list-style-type: none">- Intrinsic & extrinsic semiconductors – theory- p-type & n-type semiconductors –theory- pn junction diode – theory, cons. & working- point contact diode- theory, cons. & working	10



S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none">- Determination of cross section- Nuclear reactions by alpha-particles, protons Deuterons, neutrons, photons – explanation- Q-values of nuclear reactions	
		12. Nuclear Fission – intro <ul style="list-style-type: none">- Bohr-wheeler theory – explanation- Fission fragments – expl.- Neutron emission & energy released - expl.- Self-sustained chain reaction- Controlled chain reaction- Atom bomb – intro	
		13. Nuclear reactors – Construction & working	
		14. Nuclear fusion – theory <ul style="list-style-type: none">- Hydrogen bomb – intro- Practical difficulty in controlling fusion	

Total Lectures = 60



S. No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none">- Class A – circuit & working- Class B – circuit & working- Class C – circuit & working- Decibel , frequency response & bandwidth	
2.	Feedback Amplifiers and Oscillators	<ol style="list-style-type: none">1. Feedback Amplifiers – intro<ul style="list-style-type: none">- Classification of amplifiers- Negative feedback & its advantage- Voltage & current feedback2. Oscillators – intro<ul style="list-style-type: none">- Positive feedback - discussion- RC phase shift – circuit & working- Wein bridge – circuit & working- Hartley – circuit & working- Colpitts – circuit & working- Tuned Base – circuit & working- Tuned Collector – circuit & working- Tuned drain – circuit & working3. Crystal oscillators – intro<ul style="list-style-type: none">- Piezoelectric effect - discussion- Crystal controlled oscillator – circuit & working- Study of stability4. Relaxation Oscillators – intro<ul style="list-style-type: none">- Types of Multivibrators	15



B.Sc. VI Semester
SEC Course – Physics
Electronics – II

S. No.	Units	Topics	Lectures Required
1.	Transistor Amplifiers	<ol style="list-style-type: none">1. Transistor Amplifier – intro<ul style="list-style-type: none">- Classification of amplifier- Basic amplifier – working- Study of load line graph- Study of different transistor biasing- Transistor equivalent circuit – working- h-parameter calculation2. Single stage transistor amplifier – intro<ul style="list-style-type: none">- CE configuration – circuit & working- CB configuration – circuit & working3. FET amplifier – intro<ul style="list-style-type: none">- Circuit & working4. RC coupled transistor amplifier – intro<ul style="list-style-type: none">- Circuit & working5. LC coupled transistor amplifier – intro<ul style="list-style-type: none">- Circuit & working6. TC coupled transistor amplifier – intro<ul style="list-style-type: none">- Circuit & working7. Noise & distortion in amplifiers – discussion8. Power Amplifiers – intro<ul style="list-style-type: none">- Types of power amplifiers	15



S.No.	Units	Topics	Lectures Required
		9. Vector Atom Model – intro - Spatial Quantisation – disc. - Spinning Electron – disc.	
		10. Coupling Schemes – intro - L-S coupling scheme – Guiding Principle - J-J coupling scheme - discussion	

Total Lectures = 60



S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none"> - Experimental Set-up, Adjustment & Procedure - Explanation of Normal Zeeman Effect – deriv. - Explanation of Anomalous Effect- deriv. - Zeeman effect in some transitions- disc. 	
6.	Many Electron Atoms	<ol style="list-style-type: none"> 1. Pauli's Exclusion Principle – intro <ul style="list-style-type: none"> - Shell structure of the atom - Electron distribution in shells - Maximum number of electrons in a shell - Periodic table of elements 2. Physical meaning of identity 3. Symmetrical and antisymmetric wave functions <ul style="list-style-type: none"> - definition - Exchange degeneracy 4. Spectral terms and their notations 5. Alkali Atoms Spectra – intro <ul style="list-style-type: none"> - Principal, sharp, diffuse & fundamental series - selection rules – transition rules 6. Coupling of orbital & spin angular momenta <ul style="list-style-type: none"> - Multiplicity of energy states 7. Spin-orbit Interaction energy- derivation 8. Total Angular Momentum of Electron <ul style="list-style-type: none"> - Commutation relations of T.A.M. with comp. - Eigen values of J^2, J_z, J_+ and J_- - calculation 	10

S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none"> - Solution of r-equation - The total wave function - Energy of atomic levels & degeneracy – disc. 5. Angular momentum operator & their commutations rules - intro - commutation rules & operators - Eigen values of L^2 and L_z – calculation - Eigen functions of L^2 and L_z - calculation 	
5.	Atoms in Electric and Magnetic fields	<ol style="list-style-type: none"> 1. The orbital and the spin magnetic moment – intro <ul style="list-style-type: none"> - def. of orbital magnetic moment - def. of Bohr magneton, Gyromagnetic ratio & Lande's splitting factor - The spin magnetic moment - definition 2. Larmor Precession – def. & discussion <ul style="list-style-type: none"> - Space Quantisation 3. Vector Atom model – discussion <ul style="list-style-type: none"> - Principle of V.A.M. - Experimental Arrangement (Stern & Gerlach) - Results & discussion - Limitations of Stern-Gerlach - Description of quantum numbers in V.A.M. 4. Zeeman effect – intro <ul style="list-style-type: none"> - Normal & Anomalous Zeeman effects 	12



S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none"> - Parabolic potential well - Calculation by classical & quantum method - Calculation of Eigen value & probability Distribution 3. 1-D motion in step potential – intro <ul style="list-style-type: none"> - The single step barrier – calculation 4. The square well potential – intro & calculation <ul style="list-style-type: none"> - The case of discrete energy levels & scattering - Calculation of maximum & minimum values of the transmittance - Infinitely deep square well 5. Rectangular potential barrier – calculation <ul style="list-style-type: none"> - Tunnel effect – discussion - Application of Tunnel effect 	
4.	Quantum theory of hydrogen-like atoms	<ol style="list-style-type: none"> 1. Time independent Schrodinger equation in spherical polar co-ordinates- intro <ul style="list-style-type: none"> - Separation of variables - Solution of the equations (quantum numbers) - Interpretation of quantum numbers 2. 3-D Harmonic Oscillator- intro & derivation 3. Rigid Rotator – derivation 4. The hydrogen atom – intro <ul style="list-style-type: none"> - Solution of phi equation 	10



S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none"> - Commutation relation b/w position & momentum 7. Expectation values of the dynamical variables <ul style="list-style-type: none"> - definition of different quantities 8. The Uncertainty principle- Statement & expl. <ul style="list-style-type: none"> - Examples of uncertainty principle - Application of uncertainty principle 9. Complementarity Principle - intro 	
2.	Time Independent Schrodinger Equation	<ol style="list-style-type: none"> 1. Schrodinger's time independent wave equation <ul style="list-style-type: none"> - intro & derivation - Stationary state (time independent) solution 2. Wave packet – introduction & derivation <ul style="list-style-type: none"> - representation by Fourier methods - Fourier series and Fourier integral 3. Fourier Integral theorem from Parseval's formula 4. Application of Fourier transforms to a Gaussian Function – calculation 5. Superposition of plane waves moving in space with angular frequency 	10
3.	General discussion of bound state in an arbitrary potential	<ol style="list-style-type: none"> 1. A particle in a rigid 1-D box (infinite potential well) – introduction & derivation <ul style="list-style-type: none"> - calculation of Eigen values of energy, wave function, probability density 2. 1-D linear harmonic oscillator – intro 	12



B.Sc. VI Semester
DSE Course – Physics
Quantum Mechanics

S.No.	Units	Topics	Lectures Required
1.	Time Dependent Schrodinger Equation	<ol style="list-style-type: none">1. Schrodinger's time independent wave equation<ul style="list-style-type: none">- introduction- equation of motion for a free particle- Time dependent Schrodinger equation – proof2. Properties of wave function – discussion<ul style="list-style-type: none">- Physical interpretation of wave function – expl.- Condition for physical acceptability- disc.- Probability current density/particle flux – deriv.- Normalization of wave functions – disc.3. Solution of time dependent Schrodinger equation<ul style="list-style-type: none">- calculation4. Orthonormal Properties of wave function- calcu.5. Eigen values and eigen functions – explanation<ul style="list-style-type: none">- superposition of eigen states – proof6. Operators – intro<ul style="list-style-type: none">- definition of energy, momentum, K.E., velocityPotential energy- Theorem of commutativity and simultaneity- Converse of theorem – proof- Commutator algebra – explanation- Parity, π & projection operator – definition	06



S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none">- Regulated power supply – working- Voltage Regulation by Zener diode – working- Voltage multiplier – theory & working	
		4. Number Systems – intro <ul style="list-style-type: none">- Binary number system – theory & laws- Decimal number system – theory & laws- Hexadecimal number system – theory & laws- Octal number system – theory & laws- Interconversion among diff. number system	
		5. Boolean Algebra – intro <ul style="list-style-type: none">- Study of different laws	
		6. Logic Gates – intro <ul style="list-style-type: none">- OR, AND & NOT Gate – sym., circ. & truth table- NAND, NOR, XOR- sym., circ. & truth table	

Total Lectures = 30



S.No.	Units	Topics	Lectures Required
		<ul style="list-style-type: none"> - Zener diode - theory, cons. & working - Varactor - theory, cons. & working - Tunnel Diode - theory, cons. & working - Photodiode - theory, cons. & working - LED - theory, cons. & working <p>3. Transistors – intro</p> <ul style="list-style-type: none"> - Operation & characteristic curves - CE configuration – Characteristic - CB configuration – Characteristic - CC configuration – Characteristic - Current amplification <p>4. Field Effect Transistor – intro</p> <ul style="list-style-type: none"> - Theory & Working 	
3.	Rectifiers and Filters	<p>1. Rectifiers - intro</p> <ul style="list-style-type: none"> - HW rectifier – circuit & working - FW rectifier – circuit & working - Bridge rectifier – circuit & working <p>2. Filter Circuits – intro</p> <ul style="list-style-type: none"> - Series L – theory & working - Shunt C – theory & working - PI filter – theory & working <p>3. Power Supplies – intro</p> <ul style="list-style-type: none"> - Unregulated power supply – working 	10



S. No.	Units	Topics	Lectures Required
		- Astable multivibrator – circuit & working - Monostable multivibrator – circuit & working - Bistable multivibrator – circuit & working	

Total Lectures = 30



B.Sc. Semester- II
Plant Ecology and Taxonomy

S.No.	Units	Topics	Lectures required
1.	Introduction	Introduction about the subject	2
		Ecological Factors	1. Soil ✓ General account ✓ Composition of soil ✓ Types of water in soil ✓ Soil moisture ✓ Water holding capacities of different soils ✓ Adaptations in relation to soil ✓ Soil formation
	2. Light factor ✓ General account ✓ Photoperiodism		1
	3. Environmental temperature factor ✓ Regulation of physiological process ✓ Effect on vegetation pattern and composition		1
	4. Concept of limiting factors ✓ Leibig Blackman's law of minimum ✓ Shelford's law of tolerance		2
	5. Adaptations of hydrophytes and xerophytes ✓ Morphological and anatomical features of hydrophytes and xerophytes		2
	Plant communities	1. Plant communities ✓ Characteristics ✓ Ecotone and edge effect	2
		2. Succession ✓ Process & Types ✓ Theories of succession ✓ Hydrosere	3

5.	Pteridophytes	1. Pteridophytes ✓ Introduction ✓ General characteristics ✓ Classification	2	
		2. Early land plants ✓ Cooksonia ✓ Rhynia	2	
		3. Classification (upto family), morphology, anatomy and reproduction ✓ Selaginella ✓ Equisetum ✓ Pteris	2	
		4. Heterospory and seed habit	1	
		5. Ecological and economic importance of pteridophytes	1	
	Gymnosperms	1. Gymnosperms ✓ Introduction ✓ General characteristics ✓ Classification	2	
		2. Classification (upto family), morphology, anatomy, and reproduction ✓ Cycas ✓ Pinus	3	
		3. Ecological and economical importance	1	
				Total-14



		<ul style="list-style-type: none"> ✓ Reproduction 	
		2. Classification of Fungi	2
		3. True Fungi	1
		<ul style="list-style-type: none"> ✓ General characteristics ✓ Ecology & significance 	
		4. Life cycles	3
		<ul style="list-style-type: none"> ✓ Rhizopus ✓ Penicilium ✓ Alternaria ✓ Puccinia ✓ Agaricus 	
		5. Symbiotic associations	2
		<ul style="list-style-type: none"> ✓ Lichens ✓ Types of lichens ✓ Genral account ✓ Reproduction ✓ Significance of symbiotic associations 	
		6. Mycorrhiza	1
		<ul style="list-style-type: none"> ✓ General introduction ✓ Ectomycorrhiza ✓ Endomycorrhiza ✓ Significance 	
			Total-12
4.	Introduction to Archegoniate	1. Archegoniates	2
		<ul style="list-style-type: none"> ✓ Unifying features of archegoniates ✓ Transition to land habit ✓ Alternation of generation 	
	Bryophytes	1. Bryophytes	4
		<ul style="list-style-type: none"> ✓ General characteristics ✓ Adaptation to land habit ✓ Classification ✓ Range of thallus organization 	
		2. Classification (upto family), morphology, Anatomy & Reproduction	4
		<ul style="list-style-type: none"> ✓ Marchantia ✓ Funaria 	
		3. Ecology and economic importance of bryophytes	2
			Total-12



B.Sc. Semester- I
Biodiversity (Microbes, Algae, Fungi and Archegoniate)

S.No.	Units	Topics	Lectures required
1.	Microbes	1. Viruses ✓ Introduction ✓ Discovery ✓ General structure ✓ Replication (general account) ✓ DNA virus (T-phage) ✓ Lytic & Lysogenic cycle ✓ RNA virus (TMV) ✓ Economic importance	5
		2. Bacteria ✓ Introduction ✓ Discovery ✓ General characteristics ✓ Cell structure ✓ Bacterial Reproduction- Vegetative, Asexual and Recombination (Conjugation, Transformation & Transduction) ✓ Economic importance	5
			Total-10
2.	Algae	1. Algae ✓ General Characteristics ✓ Ecology and distribution ✓ Range of thallus organization ✓ Reproduction in algae	4
		2. Classification of Algae	2
		3. Morphology and life cycles of the following algae ✓ Nostoc, Chlamydomonas, Oedogonium, Vaucheria, Fucus, Polysiphonia	5
		4. Economic importance of bacteria	1
			Total-12
3.	Fungi	1. Introduction ✓ General characteristics ✓ Ecology & Significance ✓ Range of Thallus Organization ✓ Cell wall composition ✓ Nutrition	3



	Quantitative Inheritance	<p>2. Selection methods ✓ For Self pollinated ✓ For cross pollinated ✓ For vegetatively propagated plants</p> <p>3. Hybridization- Procedure, advantages & limitations ✓ For self pollinated ✓ For cross pollinated ✓ For vegetatively propagated plants</p> <p>1. Quantitative Inheritance ✓ Concept ✓ Mechanism ✓ Examples ✓ Monogenic v/s Polygenic inheritance</p>	<p>3</p> <p>3</p> <p>2</p>
			Total-16
5.	Inbreeding depression and heterosis	<p>1. Inbreeding depression ✓ Introduction ✓ History ✓ Genetic basis of inbreeding depression</p> <p>2. Heterosis ✓ Introduction ✓ Genetic basis of Heterosis ✓ Applications</p>	<p>2</p> <p>2</p>
	Crop improvement and breeding	<p>1. Crop Improvement & breeding ✓ Introduction ✓ Mutation and its role in crop improvement and breeding ✓ Polyploidy ✓ Distant hybridization ✓ Role of biotechnology in crop improvement</p>	4
			Total- 8



**B.Sc. Semester- VI
Genetics and Plant Breeding**

S.No.	Units	Topics	Lectures Required
1.	Heredity	1. Brief life history of Mendel ✓ Seven traits of pea plant	1
		2. Terminologies	1
		3. Laws of Inheritance ✓ Law of Dominance, Law of Segregation, Law of Independent assortment	2
		4. Modified Mendelian ratios ✓ Lethal genes, Multiple genes, Co-dominance, Incomplete dominance, Epistasis	4
		5. Chi Square test ✓ General introduction, Formula, and its uses	2
		6. Pedigree Analysis ✓ Autosomal linked, X-linked pedigree	3
		7. Cytoplasmic Inheritance ✓ General account, Maternal effect, maternal inheritance, Shell Coiling in Snail, Kappa particles in Paramecium, leaf variegation in Mirabilis jalapa, Male sterility	3
		8. Multiple Allelism ✓ ABO blood group system & Rho blood group	2
		9. Pleiotropism & Chromosome theory of inheritance	2
		Total- 20	
2.	Sex determination And Sex-Linked Inheritance	1. Sex determination & Sex-Linked inheritance ✓ In Humans ✓ In Plants	2
	Linkage and Crossing over	1. Linkage ✓ Concept and history ✓ Types of Linkage	6



		3. Translation ✓ General account, Translation of mRNA, Polysomes, Post-Translational modifications, Ribosomes and their role in protein synthesis, General account of genetic code	3
	Regulation of Gene Expression	1. Gene Expression ✓ Mechanism of gene expression, Control of gene expression in prokaryotes	2
		2. Lac operon ✓ Components of Lac operon, Functioning of operon	2
		3. Tryptophan operon model	1
			Total-12

		<ul style="list-style-type: none"> model) ✓ Lipid fluidity of membrane ✓ Semi-permeability of Membrane ✓ Functions <p>2. Cell Wall</p> <ul style="list-style-type: none"> ✓ Introduction ✓ Structure ✓ Chemical Nature of cell wall ✓ Functions of cell wall <p>3. Cell Cycle</p> <ul style="list-style-type: none"> ✓ Overview of Cell cycle 	<p>2</p> <p>5</p>
		<ul style="list-style-type: none"> ✓ Mitosis- Stages of Mitosis, Significance of mitosis ✓ Meiosis- Stages & its significance ✓ Difference b/w Mitosis & Meiosis ✓ Molecular controls 	
			Total-12
4.	Genetic Material	<p>1. DNA</p> <p>2. Miescher to Watson & Crick- Historic perspective, Griffith's & Avery's transformation experiments, evidences from bacterial transformation, Hershey Chase bacteriophage experiment, Structure of DNA, Types of DNA, Palindromic DNA, Repetitive DNA, Types of genetic material, Difference b/w DNA & RNA</p> <p>3. DNA Replication</p> <ul style="list-style-type: none"> ✓ Semi-conservative method of DNA replication, DNA replication in prokaryotes, DNA replication in eukaryotes, Enzymology of DNA replication, Replication models, Semi discontinuous RNA priming. 	<p>3</p> <p>3</p>
			Total-6
5.	Transcription (Prokaryotes & Eukaryotes)	<p>1. RNA</p> <ul style="list-style-type: none"> ✓ Types of RNA (mRNA, tRNA, rRNA), types of RNA polymerase. <p>2. Transcription</p> <ul style="list-style-type: none"> ✓ Introduction, Molecular mechanism of transcription, promoter region, TATA box, Difference in RNA transcription in Prokaryotes & Eukaryotes, RNA processing, Reverse transcription 	<p>1</p> <p>3</p>

		<ul style="list-style-type: none"> ✓ Synthesis of protein within mitochondria 	
		<p>2. Chloroplast</p> <ul style="list-style-type: none"> ✓ Introduction, Ultrastructure, marker enzymes ✓ Composition ✓ Chloroplast as semiautonomous organelle ✓ Chloroplast DNA ✓ Functions of Chloroplast 	3
		<p>3. Endoplasmic Reticulum</p> <ul style="list-style-type: none"> ✓ Introduction, Ultrastructure of ER, Types of ER, Functions 	2
		<p>4. Golgi bodies</p> <ul style="list-style-type: none"> ✓ Introduction, Ultrastructure & Functions 	2
		<p>5. Lysosomes</p> <ul style="list-style-type: none"> ✓ Introduction, Structure, Types, Functions & Lysosomal diseases 	2
		<p>6. Peroxisomes & Glyoxysomes</p> <ul style="list-style-type: none"> ✓ Occurrence, Structure, Functions & biogenesis 	3
		<p>7. Nucleus</p> <ul style="list-style-type: none"> ✓ General Introduction ✓ Ultrastructure of Nucleus ✓ Nuclear pore complex- Structure & Functions ✓ DNA Packaging- Chromatin (Heterochromatin & Euchromatin) ✓ Nucleolus- Structure, composition & functions ✓ Ribosomes- Types, Structure & Functions 	5
			Total- 22
3.	Cell Membrane & Cell Wall	<p>1. Plasma Membrane</p> <ul style="list-style-type: none"> ✓ Introduction, Composition of Plasma membrane (Carbohydrates, Proteins, Lipids & their functions) ✓ Structure ✓ Models of plasma membrane (Lipid bilayer model, Daniell danson model, Robertson unit membrane model, Fluid mosaic 	5



**B.Sc. V Semester
Cell and Molecular Biology**

S.No.	Units	Topics	Lectures Required
1.	Techniques in Biology	1. Principles of Microscopy ✓ Magnification power, Resolving power, Factors affecting resolving power	1
		2. Light Microscopy ✓ Parts of Microscope ✓ Bright field microscope ✓ Dark field microscope ✓ Sample preparation for light microscopy	1
		3. Phase Contrast Microscopy ✓ Working principle & its Uses	1
		4. Fluorescence microscopy ✓ Working principle & its uses	1
		5. Confocal Microscopy ✓ Working principle & its uses	1
		6. Electron microscopy ✓ Types of electron microscope ✓ Working- Transmission electron microscope & Scanning electron microscope ✓ Sample preparation of electron microscope	2
		7. X-Ray diffraction analysis ✓ Principle & its uses	1
		Total-8	
8.	Cell as a unit of Life	1. Cell ✓ The Cell Theory ✓ Prokaryotic & Eukaryotic cells ✓ Cell Size & shape ✓ Components of Eukaryotic cell	2
	Cell Organelles	1. Mitochondria ✓ Introduction, Ultrastructure, marker enzymes, oxysomes, functions of mitochondria ✓ Composition ✓ Semiautonomous nature ✓ Symbiotic hypothesis	3



			Total-6
5.	Role of Plants in relation to human welfare (b)	1. Forestry ✓ What is forestry? ✓ General introduction ✓ Importance of forestry ✓ Its utilization ✓ Commercial aspects	2
		2. Wood ✓ What is wood? ✓ General account ✓ Different types of wood and its function ✓ Seasoning of wood ✓ Defects of wood	2
		3. Ornamental plants of India ✓ General account ✓ Different ornamental plants found in India ✓ Importance or Uses	2
			Total-6



B.Sc. Semester- IV

**Skill Enhancement Course
Plant Diversity and Human Welfare**

S.No.	Units	Topics	Lectures Required
1.	Plant diversity and its scope	1. Biodiversity ✓ General Introduction ✓ Genetic diversity ✓ Species diversity ✓ Plant diversity at the ecosystem level	2
		2. Agrobiodiversity ✓ General introduction ✓ Cultivated plant taxa ✓ Wild taxa	2
		3. Values and uses of biodiversity ✓ Ethical and Aesthetic value ✓ Precautionary principle ✓ Methodologies for valuation ✓ Uses of plants ✓ Uses of microbes	2
			Total-6
2.	Loss of Biodiversity	1. Loss of Biodiversity ✓ Loss of genetic diversity ✓ Loss of species diversity ✓ Loss of ecosystem diversity ✓ Loss of Agrobiodiversity	1
		2. Projected scenario for biodiversity loss	1
	Management of Plant biodiversity	1. Management ✓ What are the needs for management? ✓ Why management is important? ✓ Organizations associated with biodiversity management	1
		2. Methodology for execution ✓ IUCN ✓ UNEP ✓ UNESCO ✓ WWF ✓ NBPGR	2



	Plant Growth Regulators	Rhizobium species. 1. Plant growth regulators ✓ General Introduction ✓ Importance ✓ Auxin, Gibberellins, Cytokinins, ABA, Ethylene. 2. Discovery & Physiological Roles of Plant growth regulators	2 4
	Plant response to light and temperature	1. Photoperiodism ✓ Short day plants ✓ Long day plants ✓ Day neutral plants ✓ Short-long day plant & Long-short day plant ✓ Importance of light & dark period ✓ Floral hormone- Florigen 2. Phytochrome ✓ Discovery & its structure ✓ Red & Far-red light responses on photomorphogenesis 3. Vernalization ✓ General account ✓ Devernalization ✓ Vernalization & Gibberellins	2 2 2
			Total- 20



		Total- 12	
4.	Respiration	1. Respiration ✓ Types of Respiration ✓ Respiratory Substrates	1
		2. Mechanism of Respiration ✓ Glycolysis ✓ TCA cycle	2
		3. Oxidative Phosphorylation ✓ The Chemiosmotic hypothesis ✓ Difference b/w Oxidative phosphorylation & phosphorylation	1
		4. Fermentation, Relation b/w Anaerobic respiration & Fermentation, Respiratory Quotients, Factors affecting the rate of respiration	1
		5. Glyoxylate & Oxidative Pentose Phosphate Pathway	1
		Total- 6	
5.	Enzymes	1. Structure & Properties ✓ Introduction of Enzyme ✓ Apoenzyme & Co-factors ✓ Classification of enzymes	1
		2. Mechanism os enzyme catalysis ✓ Theories of Mechanism of enzyme action (Enzyme substrate complex, Lock & Key, Induced fit theory) ✓ Factors affecting enzyme action ✓ Isozymes, Zymogen ✓ Michaelis menten equation	2
		3. Enzyme inhibition ✓ Reversible Inhibition ✓ Non-reversible inhibition ✓ Allosteric inhibition	1
		1. Biological Nitrogen fixation ✓ Nitrogen cycle ✓ Nitrogen fixing prokaryotes	2
	Nitrogen metabolism	2. Nitrate & Ammonia assimilation & Nodule formation in leguminous plants by	2

		3. Role of essential elements ✓ Specific role of main essential elements ✓ Specific role of trace essential elements	2
		4. Availability of mineral salts to plants ✓ Carbonic acid exchange theory ✓ Contact exchange theory	1
		5. Active transport, Passive transport, carriers, channels & pumps	2
	Translocation in phloem	1. Composition of phloem sap ✓ Downward translocation ✓ Upward translocation	2
		2. Girdling experiment & Pressure flow model	2
		3. Phloem loading & unloading	2
			Total- 14
3.	Photosynthesis	1. Photosynthetic pigments ✓ Structure of Chl a, b, Xanthophylls, Carotene ✓ Mechanism of absorption of light ✓ Red drop & Emerson's enhancement effect	3
		2. Two pigment systems ✓ PS I & PS II ✓ Light reaction ✓ Cyclic & Non- cyclic photophosphorylation ✓ Mechanism of ATP synthesis	4
		3. Different pathways of carbon fixation ✓ Calvin cycle (C3) ✓ C4 cycle ✓ Difference b/w C3 & C4 cycle ✓ CAM pathway	3
		4. Photorespiration ✓ Photorespiration site ✓ Process of photorespiration ✓ Significance	2



B.Sc. IV Semester
Plant Physiology and Metabolism

S.No	Units	Topics	Lectures Required
1.	Plant water relation	1. Importance of water to plant life	1
		2. Water & its components ✓ What is water potential? ✓ Physical properties of water ✓ Plant cell as osmotic system ✓ Diffusion pressure deficit ✓ Components of water potential- Matric potential, Osmotic potential, Pressure potential	2
		3. Transpiration & its Significance ✓ What is Transpiration? ✓ Types of transpiration ✓ Measurement of transpiration by different methods ✓ Mechanism of stomatal opening & closing ✓ Difference b/w Transpiration & Evaporation ✓ Significance of Transpiration	3
		4. Factors affecting transpiration ✓ Plant factors ✓ Environmental factors	1
		5. Root Pressure, Guttation, Difference b/w transpiration & guttation, Anti-transpirants & its role	1
		Total- 8	
2.	Mineral Nutrition	1. Essential elements ✓ Major elements ✓ Micro elements	2
		2. Criteria of essentiality of elements	1



		<ul style="list-style-type: none"> ✓ Development ✓ Seed appendages ✓ Seed dispersal mechanism- by wind, water, animals etc 	
			Total- 16
5.	Embryo and Endosperm	1. Endosperm <ul style="list-style-type: none"> ✓ Introduction ✓ Structure and its types ✓ Histology and functions 	3
		2. Embryo <ul style="list-style-type: none"> ✓ Embryo development in dicotyledons ✓ Embryo development in monocotyledons ✓ Embryo- Endosperm relationship 	5
	Apomixis and Polyembryony	1. Apomixis <ul style="list-style-type: none"> ✓ Definition ✓ Non- recurrent apomixis ✓ Recurrent apomixis ✓ Parthenogenesis ✓ Apospory ✓ Significance 	4
		2. Polyembryony <ul style="list-style-type: none"> ✓ Definition ✓ Types ✓ Causes & Significance ✓ Experimental induction of polyembryony 	4
			Total- 16



		2. Role of cambium in secondary growth in root & stem	4
		3. Wood- types, formation and uses	2
			Total- 12
3	Adaptive and protective systems	1. Epidermis, Cuticle & Stomata ✓ General account ✓ Functions	4
		2. Adaptation of Xerophyte & Hydrophytes ✓ General account ✓ Morphological & Anatomical features ✓ Difference b/w Xerophytes & Hydrophytes	4
			Total-8
4.	Structural organization of flower	1. Structure of Anther & Pollen ✓ Mature anther- Structure ✓ Structure of pollen- pollen viability, pollen germination	3
		2. Ovule ✓ Structure ✓ Types of ovules ✓ Embryo sac- Types ✓ Organization and ultra structure of mature embryo sac	5
	Pollination & Fertilization	1. Pollination ✓ Definition ✓ Types of pollination ✓ Mechanism of pollination ✓ Attraction and rewards of pollinators ✓ Self- incompatibility	3
		2. Fertilization ✓ General account ✓ Double fertilization and its significance	2
		3. Seed ✓ Seed and its structure	3



B.Sc. Semester-III
Plant Anatomy and Embryology

S.No	Units	Topics	Lectures Required
1.	Meristematic and Permanent Tissue	1. Meristematic Tissue ✓ General Characteristics ✓ Role ✓ Types of Meristem	1
		2. Root Apical Meristem ✓ General introduction ✓ Theories regarding the root apical meristem	2
		3. Shoot Apical Meristem ✓ General introduction ✓ Theories regarding the shoot apical meristem	2
		4. Permanent tissue ✓ General characteristics ✓ Types of Permanent tissue ✓ Simple permanent tissue- Characteristics, types, functions. ✓ Complex permanent tissue- Characteristics, types, functions.	3
			Total- 8
2.	Organs	1. Anatomy of dicot plant ✓ Structure of dicot root, stem and leaf	2
		2. Anatomy of monocot plant ✓ Structure of monocot root, stem and leaf ✓ Difference b/w dicot and monocot structures	2
	Secondary Growth	1. Vascular cambium ✓ Origin, structure and function ✓ Seasonal activity	2



			Total-10
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	Taxonomic evidences	<ul style="list-style-type: none"> ✓ Flora ✓ Keys- Single access and multi access <p>1. Taxonomic evidences</p> <ul style="list-style-type: none"> ✓ General introduction ✓ Taxonomical evidences from palynology, cytology, phytochemistry, and molecular data 	5
			Total-12
4.	Botanical Nomenclature	<p>1. Botanical Nomenclature</p> <ul style="list-style-type: none"> ✓ General introduction ✓ Rules of nomenclature ✓ Principles of ICBN ✓ Ranks & Names ✓ Typification ✓ Author citation and valid publication ✓ Principles of priority and its limitations 	4
	Classification	<p>1. Types of Classification</p> <ul style="list-style-type: none"> ✓ Bentham and Hooker's system of classification ✓ Engler and Prantl's system of classification 	4
	Biometrics, Numerical taxonomy, and cladistics	<p>1. Characters</p> <ul style="list-style-type: none"> ✓ Variations ✓ Operational Taxonomic units ✓ Selection of Characters <p>2. Coding of Characters and cluster analysis</p> <p>3. Phenograms & Cladograms</p> <ul style="list-style-type: none"> ✓ Definition ✓ Differences 	1 1 1
			Total-11
5.	Families	<p>1. Taxonomy, important distinguishing characters, classification and economic importance of the following families</p> <ul style="list-style-type: none"> ✓ Ranunculaceae, Papaveraceae, Caryophyllaceae, Malvaceae, Rutaceae, Fabaceae, Apiaceae, Solanaceae, Apocynaceae, Asclepidiaceae, Acanthaceae, Lamiaceae, Euphorbiaceae, Orchidaceae, Poaceae 	10



		✓ Xerosere	
			Total- 17
2.	Ecosystem	1. Structure of Ecosystem ✓ General Introduction ✓ Components of Ecosystem 2. Energy flow 3. Food chain & Food web ✓ General introduction ✓ Types of Food chain 4. Ecological pyramids ✓ Pyramid of Number ✓ Pyramid of Biomass ✓ Pyramid of energy 5. Production and productivity ✓ Introduction ✓ Primary production processes ✓ Productivity in different ecosystem 6. Biogeochemical cycles ✓ Introduction ✓ Cycling of carbon, nitrogen & phosphorus	1 1 2 1 2
	Phytogeography	1. Principle Biogeographical zones 2. Endemism	2 1
			Total- 10
3.	Introduction to plant taxonomy	1. Taxonomy ✓ Definition & Classification ✓ Identification & Nomenclature ✓ Identification keys	2
	Taxonomic Hierarchy	1. Ranks, categories and taxonomic groups	1
	Identification	1. Herbarium ✓ Definition ✓ Some important herbaria of the world and india ✓ Functions of herbarium ✓ Botanical gardens 2. Documentations	2 2

Day-2 → Smog formation

Day-3 → Oxides of N & C & their effect

Day-4 → Oxides of S & O & their effect

Day-5 → Petroleum & Minerals.

Day-6 → Pollution by Chemicals, Chlorofluorocarbon.

Day-7 → Analytical Methods to Measure Air pollutants

Day-8 → Continuous Monitoring Instruments

SEMESTER-IV

Paper-IV (Environmental Chemistry)

Unit-1 → Environment

Day-1 → Introduction & Composition of atmosphere

Day-2 → Vertical temperature & vertical stability atmosphere.

Day-3 → Heat Budget of Earth Atmospheric System.

Day-4 → Biogeochemical Cycle of Carbon.

Day-5 → Biogeochemical Cycle of Nitrogen & Phosphorus.

Day-6 → Cycle of Sulphur & Oxygen

Day-7 → Biodistribution of Elements.

~~Day-8~~ →

Unit-4 → Atmosphere

Day-1 → Chemical & Photochemical reactions in atmosphere

Day 2 → Exergonic & Endergonic Reactions.

Day 3 → Hydrolysis of ATP & Synthesis of ATP from ADP.

Bioinorganic Chemistry

Bioenergetics & ATP Cycles

Day 1 → DNA Polymerisation.

Day 2 → Metal Complexes in transmission of Energy.

Day 3 → Glucose Storage & Chlorophyll.

Day 4 → Photosystem I & II

Day 5 → Model System.

SEMESTER-III

FF Paper-III (Bioinorganic, Bioorganic, Biophysical Chemistry - I)

⇒ Biophysical Chemistry

Unit → Biological Cells & its Constituents, Cell Membrane & Transport of ions

Day-1 → Biological Cells, Enzymes.

Day-2 → Structure & function of Proteins

Day-3 → DNA & RNA in living system

Day-4 → Helix Coil transition

Day-5 → Structure & function of Cell Membrane

Day-6 → Ion transport through Cell Membrane

Unit → Bioenergetics

Day-1 Standard free energy change in biological reactions.

Day-4 Reactivity for aliphatic & aromatic
at a bridgehead

Day-5 → Reactivity in the attacking radicals & the
Effect of solvent on reactivity

Day-6 → Allylic halogenation (MBS)

Day-7 → Oxidation of aldehydes to Carboxylic acid &
Auto-oxidation

Day-8 → Coupling of alkynes & arylation of
Aromatic Compounds.

Day-9 → Sandmeyer Reaction

Day-10 → Frensdiecker Reaction

Sheet
1/1/2020

SEMESTER-II

Paper-II [Organic Chemistry]

Unit-I → [Aromatic Electrophilic Substitution]

Day-1 → Orientation & Reactivity, Energy Profile diagram.

Day-2 → Ortho-Para-Ratio, ipso attack, Orientation in other ring system.

Day-3 → Reactivity in substrate & Electrophile

Day-4 → Vilsmeier Haack reaction, Gattermann Koch Reaction

Day-5 → Diazonium Coupling.

Unit-III → Free Radical Reaction

Day-1 Types of free Radical Reaction

Day-2 Free Radical Substitution Mechanism

Day-3 Mechanism of an aromatic substrate



- Day-3 Irving-William Series & Chelate Effect
- Day-4 Factors affecting stability of Metal Complexes
w.r.f. to Nature of Metal & ligand
- Day-5 Detection of Complexion in solution
- Day-6 Determination of binary formation Constant by
PH-Metry Method
- Day-7 Determination of binary formation Constant by
Spectrophotometric Method



LESSON PLAN [M.Sc. - CHEMISTRY]

SEMESTER - I

Paper - I [Inorganic Chemistry]

Unit - I → Stereochemistry & Bonding in Main Group Compounds

Day-1 → VSEPR Model & shortcomings

Day-2 → Hybridization & three Center bonds.

Day-3 → Bent's Rule & Energetics of hybridization

Day-4 → $P\pi - P\pi$, $P\pi - d\pi$ bonding

Day-5 → Walsh diagram for tri- & tetra atomic & σ molecules.

Unit - II → Metal - Ligand Equilibria in Solution

Day-1 → Thermodynamic & Kinetic stability of Complexes.

Day-2 → Stepwise & Overall formation Constant & their interaction



Library Facilities







Lab Facility



























Internal & External Date sheet and Duty chart

चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 03 / 02 / 2021


सेवा में,

सहायक कुलसचिव (परीक्षा)
हे0न0ब0ग0 विश्वविद्यालय
श्रीनगर (गढ़वाल)

विषय - वर्ष 2019-20 की कोविड-19 के कारण छूटी हुई परीक्षाओं के प्रश्न पत्रों की सूचना के सम्बन्ध में।
महोदय,

निवेदन है कि चिन्मय डिग्री कॉलेज में उपर्युक्त विषय के सम्बन्ध में महाविद्यालय में किस दिन किन-किन विषय के प्रश्न पत्रों की परीक्षा है, का विवरण निम्नांकित है:

दिनांक / दिन	कक्षा	विषय	प्रश्न पत्र का नाम	महाविद्यालय की मेल आईडी
04-02-2021 Thursday	M.Sc. 4th sem	Zoology	Endocrinology and Animal Behaviour	principal@chinmaya.edu.in
05-02-2021 Friday	B.Sc. 6th sem	Physics	Quantam Mechanics	
	M.Sc. 4th sem	Zoology	Bio Chemistry & Immunology	
06-02-2021 Saturday	M.Sc. 4th sem	Zoology	Applied Entomology	
	B.Sc. 6th sem	Chemistry	Molecule of life	
07-02-2021 Sunday	M.Sc. 4th sem	Zoology	Methodology in Entomology	
08-02-2021 Monday	B.Sc. 6th sem	Maths	Vector Calculus (SEC)	
09-02-2021 Tuesday	B.Sc. 6th sem	Botany	Biofertilizers (SEC)	
11-02-2021 Thursday	B.Sc. 6th sem	Maths	Numerical Methods	


(डा0 आलोक अग्रवाल)
कार्यवाहक प्राचार्य
चिन्मय डिग्री कॉलेज,
भेल, हरिद्वार



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 01/02/2021

कॉलेज के निम्नलिखित शिक्षकों/कर्मचारियों को सूचित किया जाता है कि जिन छात्र/छात्राओं की अन्तिम सेमेस्टर की परीक्षाएँ कोविड-19 के कारण छूट गई थी, उनकी अन्तिम सेमेस्टर की परीक्षाएँ यूजीसी के निर्देशानुसार 30 जनवरी 2021 से आयोजित की जा रही है। हे0न0ब0ग0 विश्वविद्यालय की इन परीक्षाओं को सम्पन्न कराने हेतु निम्नलिखित सदस्यों की ड्यूटी लगाई जा रही है।

समय : प्रातः 11.30 से दोपहर 1.00 बजे तक

केन्द्राध्यक्ष : डा0 आलोक अग्रवाल

सहायक केन्द्राध्यक्ष : डा0 पी0 के0 शर्मा

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राकेश गुप्ता

चतुर्थ श्रेणी कर्मचारी

1. श्री अमरपाल

2. श्री सोमपाल, स्वीपर

प्राचार्य

Chitrapada Degree College
BHEL, Haridwar



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 18 / 09 / 2020


सेवा में,
श्रीमान् परीक्षा नियन्त्रक
हे0न0ब0ग0 विश्वविद्यालय
श्रीनगर (गढ़वाल)

विषय – ओ एम आर शीट के सम्बन्ध में।

महोदय,

निवेदन है कि आपके द्वारा प्रेषित ओ एम आर उत्तर पत्रक में 181201 से 183100 तक (कुल 1900) चिन्मय डिग्री कॉलेज में दिया गया है। परन्तु ओ एम आर शीट का बॉक्स खोलने पर बॉक्स के ऊपर 296001 से 298000 (कुल 2000) लिखित है। परन्तु वास्तव में बॉक्स के अन्दर 296701 से 297700 सीरीज तक की ओ एम आर शीट (कुल 1000) ही प्राप्त हुई हैं। आपके पत्रानुसार भी (कुल 1900) ओ एम आर शीट दर्शाई गई है, संज्ञान लेने का कष्ट करें। कृपया 250 ओ एम आर उत्तर शीट यथाशीघ्र भेजने का कष्ट करें।

धन्यवाद।


(डा० आर० प्रिन्सिपल)
Chinnaya Degree College
BHEL Haridwar
चिन्मय डिग्री कॉलेज,
भेल, हरिद्वार



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 16/09/2020

निम्न कर्मचारियों को सूचित किया जाता है कि अपने विभागवार तथा परीक्षा कक्ष में प्रतिदिन विभाग बन्द होने के पश्चात तथा परीक्षा समाप्त होने पर परीक्षा कक्ष में प्रतिदिन सेनीटाईज मशीन द्वारा विभागवार/कक्षावार सेनीटाईज करने का कष्ट करें।।

कॉलेज के निम्नलिखित शिक्षकों/कर्मचारियों को सूचित किया जाता है कि दिनांक 19/9/2020 से बी0एस0सी0 तृतीय वर्ष एव एमएससी द्वितीय वर्ष (चतुर्थ सेमेस्टर) के छात्रों की हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षाओं को सम्पन्न कराने के लिये निम्नलिखित प्रकार से ड्यूटी लगाई जा रही है।

प्रथम पाली

समय : बी0एस0सी0 प्रातः 10.00 से 12.30 बजे तक

केन्द्राध्यक्ष : डा0 आलोक अग्रवाल

सहायक केन्द्राध्यक्ष : डा0 पी.के. शर्मा, डा0 मनीषा

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राकेश लडोरा
2. श्री विक्रम सिंह नेगी

चतुर्थ श्रेणी कर्मचारी

1. श्री नईम अहमद
2. श्री राजेश कुमार
3. श्री यशपाल सिंह
4. श्री मोहन जोशी
5. श्री चन्दर सिंह
6. श्री सोनू

श्रीमती रोशन देवी, स्वीपर (प्रातः 6.30 बजे से)

AA51
Principal
Chitrapada Degree College
BHEL, Haridwar



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 16/09/2020

कॉलेज के निम्नलिखित शिक्षकों/कर्मचारियों को सूचित किया जाता है कि दिनांक 19/9/2020 से बी0एस0सी0 तृतीय वर्ष एवं एमएससी द्वितीय वर्ष (चतुर्थ सेमेस्टर) के छात्रों की हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षाओं को सम्पन्न कराने के लिये निम्नलिखित प्रकार से ड्यूटी लगाई जा रही है।

प्रथम पाली

समय : बी0एस0सी0 प्रातः 10.00 से 12.30 बजे तक

केन्द्राध्यक्ष : डा0 आलोक अग्रवाल

सहायक केन्द्राध्यक्ष : डा0 पी.के. शर्मा, डा0 मनीषा


तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राकेश लडौरा
2. श्री विक्रम सिंह नेगी

चतुर्थ श्रेणी कर्मचारी

1. श्री नईम अहमद
2. श्री राजेश कुमार
3. श्री यशपाल सिंह
4. श्री मोहन जोशी
5. श्री चन्दर सिंह
6. श्री सोनू

श्रीमती रोशन देवी, स्वीपर (प्रातः 6.30 बजे से)


Principal
Chinnaya Degree College
WHEL, Haridwar
प्राचार्य,



d:\sachin\letter (224)

चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 29/11/2019

कॉलेज के निम्नलिखित शिक्षकों/कर्मचारियों को सूचित किया जाता है कि दिनांक 5/12/2019 से दिनांक 26/12/2019 तक एमएससी प्रथम एवं तृतीय सेमेस्टर के छात्रों की हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षाओं को सम्पन्न कराने के लिये निम्नलिखित प्रकार से ड्यूटी लगाई जा रही है।

प्रथम पाली

समय : प्रातः 7.15 से 11.30 बजे तक

केन्द्राध्यक्ष : प्रो० आलोक कुमार

सहायक केन्द्राध्यक्ष : डा० पी.के. शर्मा

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राहुल कुमार

चतुर्थ श्रेणी कर्मचारी

1. श्री राजू

2. श्री राजेश कुमार, माइक्रो

द्वितीय पाली

समय : प्रातः 10.00 से 2:00 बजे तक

केन्द्राध्यक्ष : प्रो० आलोक कुमार

सहायक केन्द्राध्यक्ष : डा० पी.के. शर्मा

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राहुल कुमार

चतुर्थ श्रेणी कर्मचारी

1. श्री राजू

2. श्री राजेश कुमार, माइक्रो

तृतीय पाली

समय : प्रातः 1.00 से 4:00 बजे तक

केन्द्राध्यक्ष : डा० पी.के. शर्मा

सहायक केन्द्राध्यक्ष : डा० अजय कुमार

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राहुल कुमार

चतुर्थ श्रेणी कर्मचारी

1. श्री राजू

2. श्री राजेश कुमार, माइक्रो

श्रीमती सुनीता देवी, स्वीपर (प्रातः 7 से 3 बजे तक)

प्राचार्य
Principal
Chhannaya Degree College
Bel, Haridwar



H.N.B. GARHWAL UNIVERSITY, SRINAGAR (GARHWAL)
M.Sc./ M.Com/LL.M./III Semester Examination Schedule (Session 2019-2020)

Subject	Paper & Date								
	05.12.2019 Thursday	07.12.2019 Saturday	10.12.2019 Tuesday	12.12.2019 Thursday	14.12.2019 Saturday	17.12.2019 Tuesday	19.12.2019 Thursday	21.12.2019 Saturday	23.12.2019 Monday
Anthropology (MSc/MA)	C-013 Med Anthro I	C-014 Med Anthro II	E-01 (A/B) Appl & Action Anthro	E-02 (A) Human Evol & Var / (B) Tribal India	E-03 (A) Human Growth Dev / (B) Theory of Comm Grouping	E-04 (A) Human Cytogenetics/ (B) Linguistic Anthro	Self Study		
Agronomy	Dry Land Farming	Management of Problem Soils	Modern Concept in Crop Production	Crop Ecology	Systems and Sustainable Ag	Survey and Remote Sensing	Storage Insect Pest and their Mgt	Self Study	
Ag. Botany	Population and Biometrical Genetics	Seed Production Technology	Breeding Field Crops-I (Kharif)	Molecular Genetics	Crop Physiology	Self Study			
Biotechnology	C-013 Bionfo, Legal Biotech & Bio Bus Mgmt	C-014 Recomb DNA Tech & Genomics	E-01(a) Food & Bev Biotech / (b) Research Method / (c) Chemical Sci & Bio	E-02 (a) Pharma Biotech & Drug Design / (b) Plant Biotech / (c) Advance Biotomats	Self Study				
Botany	C-013 Plant Physiology & Biochem	C-014 Ecology & Remote Sensing	E-01 (A to D)	E-02 (A to D)	Self Study				
Biochemistry	C-014 Mol Biology	C-015 Enzymology	E-001 Methods in Mol Biology	E-002 Clinical Biochem		E-003 Outline of Biochem	Self Study		
Chemistry	C-015 Organometallic Chem / 018 Org Synth Photochem / 021 Chem of Minerals	E-001 Spectro X-ray & Solid State	E-02-Bioinorg, Bioorg, Biophys Chem-I	E-05(B) Spectroscopy & Solid State / 08(C) Liquid State		E-04(A) Analytical Chem / 06(B) Organomet Reagents & Org Synthesis		E-07(B) Medical Chemistry	Self Study
Environmental Science	C-013 Env. Economic Env. Sociology and Rural Dpt	C-014 Remote Sensing GIS and Env Statistics	E-02 Env Geosci and Disaster mgt	E-03 BioDiversity Conservation and Restoration Ecology	Self Study				
Geology	C-013 Igneous Petrology & Geochemistry	C-014 Engg Geology	E-001 Sedi & Metamorphic Petrology	E-002 Mineral Exploration & Mining	Self Study				
Home Science	Public Nutrition	Advanced Nutrition	Nutrition Management and Health	Nutrition in emergencies and Disasters	Food Hygiene and Sanitation				
Horticulture	C-012 Advances in Post Harvest Tech. & Mgmt. of Fruit & Veg	C-013 Protected Cult. of Hort Crops	C-014 Advances in Floriculture & Landscaping	E-001 Growth & Dev. of Plants	E-002 Dry Land Horticulture	E-003 Advances in Breeding of Veg Crops	Self Study		
Forestry	E-001 Forest Ecology and Silviculture / E-002 Agroforestry System	C-011 Forest Ecology Silviculture / E-001 Forest Water Mgmt	C-012 Forest Ecology Silviculture / E-002 Principles of Crop Prod	E-003 Forest Ecology Silviculture / E-004 Principles of Silviculture	E-005 Forest Ecology Silviculture / E-010 Fruit Trees & Shrubs	E-006 Forest Ecology Silviculture / E-007 Forest Ecology Silviculture	E-008 Forest Ecology Silviculture / E-009 Forest Ecology Silviculture	E-011 Forest Ecology Silviculture / E-012 Forest Ecology Silviculture	E-013 Forest Ecology Silviculture / E-014 Forest Ecology Silviculture



M.Sc. (IT) First Semester (New course)

Time 11-01 PM

14-12-2019	Saturday	Computer Fundamental and Programming in C
16-12-2019	Monday	Mathematical Foundation of computer Science
18-12-2019	Wednesday	Digital Electronics and computer systems Architecture
20-12-2019	Friday	Structured system Analysis and design
23-12-2019	Monday	Accounting and Financial Management

M.Sc.(IT) Third Semester(New course)

Time 11-01 PM

17-12-2019	Tuesday	Introduction to web Technology
19-12-2019	Thursday	Data communication and networks
21-12-2019	Saturday	Analysis and design of Algorithms
23-12-2019	Monday	Computer Graphic Internet Technology Programming in Java
26-12-2019	Thursday	Programming in visual basic Advanced RDBMS Distributed and Parallel computing

M.Sc. (CS) First Semester

Time 11-01 PM

14-12-2019	Saturday	Computer Fundamental and Programming in C
16-12-2019	Monday	Combinatorics and graph Theory
18-12-2019	Wednesday	Relational database management system
20-12-2019	Friday	Digital electronics and computer system Architecture
23-12-2019	Monday	Operating system with case study of UNIX/LINUX

M.Sc.(CS) Third Semester

Time 11-01 PM

17-12-2019	Tuesday	Networks security and cryptography
19-12-2019	Thursday	Design and analysis of Algorithms
21-12-2019	Saturday	Mobile and wireless computing
23-12-2019	Monday	Computer Graphic ✗ Computer organization ✗ C# C# ✓
26-12-2019	Thursday	ASP Net ✓ Compiler designing ✗ ASP.NET Human computer Interaction ✗

B.B.A. First Semester (CBCS)

11-01 PM

16-12-2019	Monday	Management & Organization Behaviour
18-12-2019	Wednesday	Business Statistics
20-12-2019	Friday	Entrepreneurship development
21-12-2019	Saturday	Environment Science (AECC)

B.B.A. Third Semester(CBCS)

Time 11-01 PM

17-12-2019	Tuesday	Managerial Economics
19-12-2019	Thursday	Principles of marketing
21-12-2019	Saturday	Management Accounting
23-12-2019	Monday	Econometrics / India's diversity and Business
26-12-2019	Thursday	IT Tools for Business / Personality development and communication skills / E Commerce / Statistical software packages



H.N.B. GARHWAL UNIVERSITY, SRINAGAR (GARHWAL)
Post Graduation Main/Back Paper Examination Schedule (Session 2019-20)

Time: 02-04 PM.

Date & Day	Paper	M. Sc. / M. Com/ LL.M. I Semester
06-12-2019 Friday	I	Anthropology (M.A.)/ Agronomy / Ag.Botany/ Botany/ Biotechnology/ Biochemistry/ Chemistry/ Environmental Science/ Forestry/ Geology/ Horticulture /Himalayan Aquatic Biodiversity/ Mathematics (M.A.)/ Microbiology/ Medicinal & Aromatic Plants/ Physics/ Pharmaceutical Chemistry/ Rural Technology/ Remote Sensing/ Seed Science/ Statistics (M.A.)/ Zoology. M.Com/ LL.M
09-12-2019 Monday	II	Anthropology (M.A.)/ Agronomy / Ag.Botany/ Botany/ Biotechnology/ Biochemistry/ Chemistry/ Environmental Science/ Forestry/ Geology/ Horticulture/ Himalayan Aquatic Biodiversity/ Mathematics (M.A.)/ Microbiology/ Medicinal & Aromatic Plants/ Physics/ Pharmaceutical Chemistry/ Rural Technology/ Remote Sensing/ Seed Science/ Statistics (M.A.)/ Zoology. M.Com/ LL.M
11-12-2019 Wednesday	III	Anthropology (M.A.)/ Agronomy / Ag.Botany/ Botany/ Biotechnology/ Biochemistry/ Chemistry/ Environmental Science/ Forestry/ Geology/ Horticulture /Himalayan Aquatic Biodiversity/ Mathematics (M.A.)/ Microbiology/ Medicinal & Aromatic Plants/ Physics/ Pharmaceutical Chemistry/Rural Technology/ Remote Sensing/ Seed Science/ Statistics (M.A.)/ Zoology. M.Com/ LL.M
13-12-2019 Friday	IV	Anthropology (M.A.)/ Agronomy / Ag.Botany/ Botany/ Biotechnology/ Biochemistry/ Chemistry/ Environmental Science/ Forestry/ Geology/ Horticulture /Himalayan Aquatic Biodiversity/ Mathematics (M.A.)/ Microbiology/ Medicinal & Aromatic Plants/ Physics/ Pharmaceutical Chemistry/Rural Technology/ Remote Sensing/ Seed Science/ Statistics (M.A.)/ Zoology. M.Com/ LL.M
16-12-2019 Monday	V	Anthropology(M.A.) / Agronomy / Forestry / Geology / Horticulture/ Mathematics/ Medicinal & Aromatic Plants/ Rural Technology/ Seed Science. M.Com/ LL.M
18-12-2019 Wednesday	VI	Forestry M.Com/ LL.M

Controller of Examinations

Dated:20-11-2019

Ref: Conf/2019

Copy to the following for information and necessary action:

- 1-Dean of Schools/ Director of Campuse/ All Principals.
- 2-Registrar/ Dy. Registrar (Exam)/ O.S. Secrecy,H.N.B. Garhwal University, Srinagar (Garhwal).
- 3- System Manager with the request that the above examination schedule may kindly be uploaded in the University website.

Controller of Examinations



चिन्मय डिग्री कॉलेज, मेल, हरिद्वार
आन्तरिक परीक्षा कार्यक्रम

दिनांक 03/12/2021

चिन्मय डिग्री कॉलेज के बीएससी प्रथम, तृतीय एवं पंचम सेमेस्टर के समस्त छात्र/छात्राओं को सूचित किया जाता है कि: उनकी वर्ष 2021-22 की सेशनल (आन्तरिक) परीक्षाये निम्नलिखित कार्यक्रम के अनुसार आयोजित की जायेगी:-

दिनांक	समय 9.30-10.30 प्रथम सेमेस्टर	समय 11.00-12.00 तृतीय सेमेस्टर	समय 12.30-1.30 पंचम सेमेस्टर
20/12/2021	बॉटनी/गणित Botany/Maths 160	बॉटनी/गणित Botany/Maths 64+71=135 (7)	बॉटनी/गणित Botany/Maths 67+79=146 (8)
21/12/2021	जूलोजी/फिजिक्स Zoology/Physics	जूलोजी/फिजिक्स Zoology/Physics	Discipline specific Elective Course. जूलोजी/फिजिक्स Zoology/Physics
22/12/2021	Ability Enhancement (AECC) Compulsory Course (All Groups) अंग्रेजी English	Skill Enhancement Course पेस्टीसाइड/कम्प्यूटर साइंस एवं माइक्रोबाइलोजी. Pesticide Chem. for Bio & Maths Group Computer Sci. for Computer Group Microbiology for Microbiology Group.	Skill Enhancement Course फिजिक्स, गणित एवं कम्प्यूटर ग्रुप के लिये जूलोजी, बायो एवं माइक्रो ग्रुप के लिये Physics for Maths & Comp. Group Zoology for Bio. & Micro Group
23/12/2021	कैमिस्ट्री/माइक्रोबाइलोजी/ कम्प्यूटर विज्ञान Chemistry/Microbiology/Com puter Sci.	कैमिस्ट्री/माइक्रोबाइलोजी/कम्प्यूटर विज्ञान Chemistry/Microbiology/Computer Sci.	कैमिस्ट्री/माइक्रोबाइलोजी/कम्प्यूटर विज्ञान Chemistry/Microbiology/Computer Sci.

उपरोक्त परीक्षाये सभी छात्र/छात्राओं के लिये अनिवार्य है। यदि कोई भी छात्र/छात्रा परीक्षा में अनुपस्थित रहता है तो इसका समस्त उत्तरदायित्व छात्र/छात्रा का होगा।

डा० पी० के० शर्मा
इंचार्ज

डा० आलोक अग्रवाल
प्राचार्य
Chitrapada Degree College
BHIL, Haridwar



9/10/2021/10/11/2021

चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 6/12/2021

कॉलेज के निम्नलिखित शिक्षकों/कर्मचारियों को सूचित किया जाता है कि दिनांक 20, 21, 22, 23 दिसम्बर 2021 को बीएससी प्रथम, तृतीय, एवं पंचम सेमेस्टर के छात्रों की हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत इंटरनल परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत इंटरनल परीक्षाओं को सम्पन्न कराने के लिये सभी सदस्य समयानुसार अपनी ड्यूटी पर उपस्थित हो।

1. डा0 पी0 के0 शर्मा

2. डा0 मनीषा

समय : प्रातः 9.00 से 11:00 बजे तक (प्रथम सेमेस्टर)

काउन्टर ड्यूटी (तृतीय श्रेणी कर्मचारी)

1. श्री राकेश गुप्ता

चतुर्थ श्रेणी कर्मचारी

1. श्री यशपाल सिंह

2. श्री अमरपाल

3. श्री नईम अहमद

समय : प्रातः 10:30 से 1:00 बजे तक (तृतीय सेमेस्टर)

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राकेश लडोंरा

चतुर्थ श्रेणी कर्मचारी

1. श्री मोहन चन्द जोशी

2. श्री ज्ञानप्रकाश बड़थवाल

3. श्री राजेश कुमार

समय : दोपहर 1:30 से 3:00 बजे तक (पंचम सेमेस्टर)

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री विक्रम सिंह नेगी

चतुर्थ श्रेणी कर्मचारी

1. श्री अशोक कुमार

2. श्री जयप्रकाश

3. श्री राजवीर सिंह

Principal
Chitragya Degree College
BHEL, Haridwar
may

चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 24/6/2022

कॉलेज के निम्नलिखित शिक्षकों एवं शिक्षणेत्तर कर्मियों को सूचित किया जाता है कि दिनांक 5 जुलाई 2022 बी0एस0सी0 चतुर्थ एवं षष्ठ सेमेस्टर की परीक्षायें प्रारम्भ हो रही हैं। जिसमें निम्न प्रकार से ड्यूटी लगाई गयी है कृपया समयानुसार अपनी ड्यूटी पर उपस्थित होने का कष्ट करें।

समय : प्रातः 7.15 से 10:30 बजे तक चतुर्थ एवं षष्ठ सेमेस्टर

डा0 आलोक अग्रवाल, केन्द्राध्यक्ष,

1. डा0 मनीषा, सहायक केन्द्राध्यक्ष
2. डा0 पी0 के0 शर्मा, सहायक केन्द्राध्यक्ष

काउन्टर ड्यूटी, तृतीय श्रेणी कर्मचारी

1. श्री विक्रम सिंह नेगी, चतुर्थ सेमेस्टर
2. श्री राकेश गुप्ता, षष्ठ सेमेस्टर

चतुर्थ श्रेणी कर्मचारी

1. श्री राजबीर सिंह
2. श्री अमर पाल
3. श्री गौतम महतो
4. श्री मोहित कुमार, एम.एस.सी. रसायन विज्ञान
5. श्री राहुल थापा, पुस्तकालय

प्राचार्य,

Chitrapada Degree College
BHEL, Haridwar



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 17/2/2022

कॉलेज के निम्नलिखित शिक्षकों एवं शिक्षणोत्तर कर्मियों को सूचित किया जाता है कि दिनांक 22 फरवरी से 31 मार्च 2022 तक बीएससी तृतीय एवं पंचम सेमेस्टर के छात्रों की हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत मुख्य परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत मुख्य परीक्षाओं को सम्पन्न कराने के लिये सभी सदस्य समयानुसार अपनी ड्यूटी पर उपस्थित हो।

समय : प्रातः 7.15 से 10:00 बजे तक (तृतीय एवं पंचम सेमेस्टर)

डा0 आलोक अग्रवाल (केन्द्राध्यक्ष)

1. डा0 मनीषा (सहायक केन्द्राध्यक्ष)
2. डा0 पी0 के0 शर्मा (सहायक केन्द्राध्यक्ष)

काउन्टर ड्यूटी (तृतीय श्रेणी कर्मचारी)

1. श्री राकेश गुप्ता (तृतीय सेमेस्टर)
2. श्री राकेश लडोंरा (पंचम सेमेस्टर)

चतुर्थ श्रेणी कर्मचारी

1. श्री यशपाल सिंह
2. श्री अमरपाल
3. श्री राजेश कुमार
4. श्री राजवीर सिंह
5. श्री राजेन्द्र कुमार

AA
प्राचार्य
Chitrapada Degree College
Haridwar



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 7/4/2022

कॉलेज के निम्नलिखित शिक्षकों एवं शिक्षणेत्तर कर्मियों को सूचित किया जाता है कि दिनांक 12 अप्रैल 2022 से प्रारम्भ हो रही है। बीएससी प्रथम सेमेस्टर के छात्रों की हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत मुख्य परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत मुख्य परीक्षाओं को सम्पन्न कराने के लिये सभी सदस्य समयानुसार अपनी ड्यूटी पर उपस्थित हो।

समय : प्रातः 7.15 से 10:00 बजे तक, प्रथम सेमेस्टर

डा0 आलोक अग्रवाल, केन्द्राध्यक्ष

1. डा0 मनीषा, सहायक केन्द्राध्यक्ष
2. डा0 पी0 के0 शर्मा, सहायक केन्द्राध्यक्ष

काउन्टर ड्यूटी तृतीय श्रेणी कर्मचारी

1. श्री विक्रम सिंह नेगी प्रथम सेमेस्टर

चतुर्थ श्रेणी कर्मचारी

1. श्री ज्ञानप्रकाश बड़थवाल
2. श्री जयप्रकाश सिंगले
3. श्री अशोक कुमार
4. श्री मोहन जोशी
5. श्री चन्दर सिंह

Principal
Chitrapada Degree College
Bel, Haridwar



पत्रांक :

दिनांक : 18/01/2023

सेवा में,


श्रीमान् कुलसचिव
हे0न0ब0ग0 विश्वविद्यालय
श्रीनगर (गढ़वाल)


विषय – वर्ष 2022–23 की मुख्य परीक्षा हेतु महाविद्यालय को 7000 “ए”
तथा 5000 “सी” उत्तर पुस्तिकाएँ प्रेषित करने के सम्बन्ध में।

महोदय,

निवेदन है कि हे0न0ब0ग0 विश्वविद्यालय की बी0एस0सी0 एवं एम0एस0सी0
(तृतीय एवं पंचम सेमेस्टर) की परीक्षाएँ 28 जनवरी 2023 से प्रारम्भ हो रही हैं। वर्ष
2022–23 की मुख्य परीक्षा हेतु महाविद्यालय को 7000 “ए” तथा 5000 “सी” उत्तर
पुस्तिकाएँ प्रेषित करने की कृपा करें ताकि परीक्षा संचालन सुचारु रूप से चलाया जा
सकें।

धन्यवाद।


डा0 आलोक अग्रवाल
प्राचार्य (कार्यवाहक)
चिन्मय डिग्री कॉलेज, हरिद्वार



(डा0 पू0 शर्मा) 18/01/23
प्रभारी, उत्तर पुस्तिका
चिन्मय डिग्री कॉलेज, हरिद्वार




चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 6/12/2021


कॉलेज के निम्नलिखित शिक्षकों/कर्मचारियों को सूचित किया जाता है कि दिनांक 20, 21, 22, 23 दिसम्बर 2021 को बीएससी प्रथम, तृतीय, एवं पंचम सेमेस्टर के छात्रों की हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत इंटरनल परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय के अन्तर्गत इंटरनल परीक्षाओं को सम्पन्न कराने के लिये सभी सदस्य समयानुसार अपनी ड्यूटी पर उपस्थित हों।

1. डा0 पी0 के0 शर्मा 

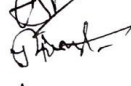
2. डा0 मनीषा 


समय : प्रातः 9:00 से 11:00 बजे तक (प्रथम सेमेस्टर)

काउन्टर ड्यूटी (तृतीय श्रेणी कर्मचारी)

1. श्री राकेश गुप्ता 

चतुर्थ श्रेणी कर्मचारी


1. श्री यशपाल सिंह 

2. श्री अमरपाल 

3. श्री नईम अहमद


समय : प्रातः 11:00 से 1:00 बजे तक (तृतीय सेमेस्टर)


तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राकेश लडोरा 

चतुर्थ श्रेणी कर्मचारी


1. श्री मोहन चन्द जोशी

2. श्री ज्ञानप्रकाश बडथवाल 


3. श्री राजेश कुमार 

समय : दोपहर 1:00 से 3:00 बजे तक (पंचम सेमेस्टर)


तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री विक्रम सिंह नेगी 

चतुर्थ श्रेणी कर्मचारी

1. श्री अशोक कुमार 

2. श्री जयप्रकाश

3. श्री राजबीर सिंह 


Principal
Chinnaya Degree College
BHEL, Haridwar प्राचार्य,



सेवा में,

श्रीमान् सहायक कुलसचिव (परीक्षा)
हे0न0ब0ग0 विश्वविद्यालय
श्रीनगर (गढ़वाल)

विषय – हे0न0ब0ग0 विश्वविद्यालय की दिनांक 23 एवं 24 अप्रैल 2021 के परीक्षा के सम्बन्ध में।

महोदय,

आपको सूचित किया जा रहा है आपके पत्रांक सं. हे0न0ब0ग0वि0/2001/सीओई/1147, दिनांक 13/8/2021 के अनुसार चिन्मय डिग्री कॉलेज, रानीपुर, हरिद्वार में दिनांक 23 अप्रैल 2021 एवं दिनांक 24 अप्रैल 2021 को विश्वविद्यालय द्वारा निर्धारित परीक्षा कार्यक्रम के अनुसार परीक्षा सम्पन्न करायी जा चुकी है। लेकिन दिनांक 23 अप्रैल 2021 को बीएससी पंचम सेमेस्टर भौतिक विज्ञान का पेपर था जिसमें कोविड के कारण 03 छात्र अनुपस्थित थे एवं दिनांक 24 अप्रैल 2021 को बीएससी तृतीय सेमेस्टर की कम्प्यूटर साइंस का पेपर था जिसमें 04 छात्र अनुपस्थित थे। आपको सूचनार्थ प्रेषित है।

धन्यवाद।

भवदीय,

(डा0 आलोक अग्रवाल)
कार्यवाहक प्राचार्य



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 23/03/2021

कॉलेज के निम्नलिखित शिक्षकों/कर्मचारियों को सूचित किया जाता है कि दिनांक 30/3/2021 से बी0एस0सी0 तृतीय एवं पंचम वर्ष, एमएससी द्वितीय वर्ष (चतुर्थ सेमेस्टर) के छात्रों की हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षा होगी। हे0न0ब0ग0 विश्वविद्यालय की मुख्य परीक्षाओं को सम्पन्न कराने के लिये निम्नलिखित प्रकार से ड्यूटी लगाई जा रही है।

प्रथम पाली

समय : बी0एस0सी0 प्रातः 10.00 से 12.30 बजे तक

केन्द्राध्यक्ष : डा0 आलोक अग्रवाल

सहायक केन्द्राध्यक्ष : डा0 पी.के. शर्मा, डा0 मनीषा

तृतीय श्रेणी कर्मचारी (काउन्टर ड्यूटी)

1. श्री राकेश लडोरा (तृतीय सेमेस्टर)
2. श्री विक्रम सिंह नेगी (पंचम सेमेस्टर)

चतुर्थ श्रेणी कर्मचारी

1. श्री नईम अहमद
2. श्री राजेश कुमार
4. श्री सुनील कुमार
6. श्री राजू

श्री सोमपाल, सफाईकर्मी

AA5-1
प्राचार्य,
Chimgaya Degree College,
BHEL Haridwar



सेवा में,

परीक्षा नियन्त्रक महोदय
हे०न०ब०ग० विश्वविद्यालय
श्रीनगर (गढ़वाल)

विषय - दिनांक 6/4/2021 को होने वाले एम०एस०सी० माइक्रोबायोलोजी (तृतीय सेमेस्टर) के
प्रश्न पत्र (मेडिकल माइक्रोबायोलोजी, कोड - 313171 (C-013)) उपलब्ध कराने हेतु ।

महोदय,

निवेदन है कि चिन्मय डिग्री कॉलेज में एम०एस०सी० माइक्रोबायोलोजी (तृतीय सेमेस्टर) का दिनांक
6/4/2021 को होने वाला प्रश्नपत्र (मेडिकल माइक्रोबायोलोजी) विश्वविद्यालय द्वारा अभी तक उपलब्ध नहीं
करवाया गया है ।

अतः आपसे अनुरोध है कि दिनांक 6/4/2021 को एम०एस०सी० माइक्रोबायोलोजी प्रश्नपत्र (मेडिकल
माइक्रोबायोलोजी) को उपलब्ध कराने का कष्ट करें । जिससे एम०एस०सी० माइक्रोबायोलोजी (तृतीय सेमेस्टर) की
परीक्षा समय से सम्पन्न कराई जा सके ।

धन्यवाद ।

भवदीय

(डा० वैश्वो दास शर्मा)
(डायरेक्टर)
एस०एफ०एस०

Manisha
(डा० मनीषा)
कार्यवाहक प्राचार्य
Chitrapada Degree College
BHEL, Haridwar



चिन्मय डिग्री कॉलेज, भेल, हरिद्वार

दिनांक : 04/02/2021

सूचना

एम0एस0सी0 प्रथम सेमेस्टर और तृतीय सेमेस्टर की समस्त छात्र/छात्राओं को सूचित किया जाता है कि उनकी सेशनल परीक्षाएं दिनांक 15 फरवरी 2021 से प्रारम्भ हो रही हैं। परीक्षा कार्यक्रम निम्नवत् प्रकार से रहेगा।

एम0एस0सी0 (प्रथम सेमेस्टर)	दिनांक	समय
प्रथम पेपर	15/2/2021	प्रातः 9.30 से प्रातः 11.30 बजे तक
द्वितीय पेपर	17/2/2021	प्रातः 9.30 से प्रातः 11.30 बजे तक
तृतीय पेपर	18/2/2021	प्रातः 9.30 से प्रातः 11.30 बजे तक
चतुर्थ पेपर	19/2/2021	प्रातः 9.30 से प्रातः 11.30 बजे तक

एम0एस0सी0 (तृतीय सेमेस्टर)	दिनांक	समय
प्रथम पेपर	15/2/2021	दोपहर 12.00 से दोपहर 02.00 बजे तक
द्वितीय पेपर	17/2/2021	दोपहर 12.00 से दोपहर 02.00 बजे तक
तृतीय पेपर	18/2/2021	दोपहर 12.00 से दोपहर 02.00 बजे तक
चतुर्थ पेपर	19/2/2021	दोपहर 12.00 से दोपहर 02.00 बजे तक

(डा० वैष्णव दास शर्मा)
डायरेक्टर (एसएफएस)

AS-1
(डा० आलोक अग्रवाल)
प्राचार्य, कार्यवाहक
Chitrapada Degree College
M.B.L. Haridwar