DAV UNIVERSITY

Department of Agricultural Sciences

Action Taken Report for Slow and Advanced Learners

1. Faculty Name: Dr. Puja Rattan

    a. Course Name (Course Code): Production Technology of Summer Season Vegetables (AGS555)

    Action taken for Slow Learners
    1. Extra classes were taken
    2. Assignments in form of power point presentation were given

Action taken for Advanced Learner

1. Encouraged to enroll in MOOC courses – Swayam, EDX portals.
2. They were given access to additional learning and reference material.
3. Encouraged to join coaching classes for competitive exams.
4. Encouraged to participate and present papers in seminars/conferences.

2. **Faculty Name: Harish Sharma**

a. **Course Name:Human Values and Ethics (AGS 107B)**

Action taken for Slow Learners

1.Extra classes were taken on 07.04.2023(03:30-04:30), 24.04.2023 (1:30-2:30).
2. Students were given extra care in the class by asking them specifically about their doubts and the any difficulty in understanding the topics.
3. Studentswere encouraged to ask any doubt after class at any free time and to prepare their short notes in order to revise the syllabus as well as raise their doubts if any.

Action taken for Advanced Learners

Extra class on 8.4.2023 (12:30-1:30)

2. Students were motivated to improve their writing skills and to get involved more and more in class room discussions so as to boost their confidence.

3. Students were motivated to work hard and also help their classmates to understand the topic which will result in benefit for both.

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Session.................................... Semester .....IInd........ Theory/Practical/Seminar.................

CLASS B.Sc. 1st Year .... SUBJECT AGS 107 S .... TO .... DAYS

SECTION/GROUP/PAPER.......... Advance Licences .... FROM..............

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	12220160	Chetna	P														
2.	289	Diksha Rana	P														
3.	12201393	Parul Bhardwaj	P														
4.	12201474	Deepaksha	P														

Contd. Page

b. **Course Name (Course Code): AGS 222 (Production technology for ornamental crops, MAPs and Landscaping)**
    Action taken for Slow Learners
    1. Extra classes were taken on 12.04.2023 (1:30-2:30),19.04.2023 (1:30-2:30)
    2. Students were motivated to attend classes regularly and given extra care in the class by asking them specifically about their doubts.
    3. Studentswere encouraged to ask any doubt after class at any free time.

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Semester ...... 4th ......

ession ....

CLASS B.Sc 2nd year ...... SUBJECT ... AGS-222(A?/A) Theory/Practical/Seminar ....

SECTION/GROUP/PAPER ... Slow Learner ... FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	12000940	Sandeep Kalsi	P														
2	12101459	Rishi Mittal		P													

Contd. Page

Action taken for Advanced Learners

1. Students were asked to clear their doubts at any free time.

2. Students were motivated to get involved more and more in class room discussions so as to boost their confidence and to broaden their knowledge regarding concepts through discussion.

3. Students were motivated to work hard on their concept building and writing skills and attempt the paper according to the pattern.

c. **Course Name (Course Code): AGS 229H (Introduction to non-conventional farming)**

Action taken for Slow Learners
1.Extra class was taken on 29.04.2023 (1:30-2:30)

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2. Student wasmotivated to attend classes regularly and clear their doubts at any time through free discussion in the class or any other free time.

3. Student was motivated to work hard on their concept building and writing skills and attempt the paper according to the pattern.

DAV UNIVER														
9ß				Semester 1/th										
Session						Theory/Practical/Seminar								
CLASS B.Sc 3MYear		SUBJECT DAC 339H				TO								
SECTION/GROUP/PAPER. Slow learners 2 FROM														

Sr No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13
1	Biroti	Sunga Dalal													

Contd. Page

Action taken for Advance Learners

1. Extra class was taken on 1.05.2023 (1:30-2:30)

2. Students were motivated to clear their doubts at any time through free discussion in the class or any other free time.

3. Students were motivated to work hard on their concept building and writing skills and attempt the paper according to the pattern.

Session...... 100 ...... Semester ...... 4th ......

CLASS...... B Sc 2nd Year ...... SUBJECT...... AGS229H ...... Theory/Practical/Seminar......

SECTION/GROUP/PAPER...... Advance learners ...... FROM...... TO......

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13
1.	12104476	Tamanna Rani	P												
2.	12104160	Manleen	P												
3.	12101398	Sahil kumar	P												

Contd. Page

3. **Faculty Name: Ludarmani**

a.   **Course Name (Course Code): Agricultural Marketing, Trade and Prices (AGS227)**

Action taken for Slow Learners
1. Extra classes were taken during their free lectures.
2. Students were given extra care in the class regarding their doubts and difficulty in understanding the topic.

3.Students were asked to be regular in class as it was observed that most students who are regularly poor performer were also falling short in attendance.

4. Students were encouraged to contact directly in class as well as outside class for clearing their doubts and for extra classes for topic revisions

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	12101090	Sandeep Kalsi	P	P														
2	12100817	Gurpreet Singh	P	P														
3	12101321	Parneet	P	P														
4	12101469	Rishi mittes	A	P														
5	12101439	Sahil Bansal	A	A														

Session 2022-23 Semester 4th CLASS B.Sc. 2nd SUBJECT AK-27 Theory/Practical/Seminar P (late/slow learners) SECTION/GROUP/PAPER FROM TO DAYS

Action taken for Advanced Learners
1. Extra class were taken.
2. Students were appreciated to further improve their writing skills and understanding of concepts.
3. Students were encouraged for clearing their doubts for further improvement.
4. Students were encouraged regularly about preparation and strategy for further competitive exams and other necessary skill improvement.

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Session 2022-23   Semester 4th

CLASS B.Sc II_nd yr   SUBJECT AGS-287   Theory/Practical/Seminar (T+P)
(early fast learners)

SECTION/GROUP/PAPER   FROM   TO   DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	12101215	Ashish	P	P													
2	12101161	Harleen	P	P													
3	12101438	Shaurya Sen	A	P													
4																	

b. **Course Name (Course Code): Fundamentals of Agricultural Extension Education (AGS 112)**

Action taken for Slow Learners

1. Extra classes were taken on 21.03.2023 (2:30-4:30).

2. Students were motivated to attend classes regularly and given extra care in the class by asking them specifically about their doubts.

3. Students were encouraged to ask any doubt after class at any time.

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Session 2022-23   Semester 2nd

CLASS B.Sc 1st year   SUBJECT AGS-122   Theory/Practical/Seminar T+P
(Slow learners)

SECTION/GROUP/PAPER   FROM   TO   DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	12200379	Arman Singh Thandi	P	P														
2	12201190	Abhimanyu	P	P														
3	12200247	Ritik Sharma	P	P														
4																		

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Action taken for Advanced Learners

1. Students were asked to clear their doubts at any free time.

2. Students were motivated to get involved more and more in class room discussions so as to boost their confidence and to broaden their knowledge regarding concepts through discussion.

3. Students were motivated to work hard on their concept building and writing skills and attempt the paper according to the pattern.

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DAV UNIVERSITY

Session....2022-23.... Semester....2nd....

CLASS....BSc 1st year SUBJECT....AGS-122....Theory/Practical/Seminar....T+P
(Early Learners)

SECTION/GROUP/PAPER.... FROM.... TO.... DAYS.

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	12200289	Diksha Rana	P	P														
2.	12201210	Prakriti Kumari	P	P														
3.	12201065	Sakshi	P	P														
4.																		

c. **Course Name (Course Code): Farm Management, Production and Resource Economics (AGS 328)**

Action taken for Slow Learners

1. Extra class was taken on 02.04.2023 (1:30-2:30)

2. Student wasmotivated to attend classes regularly and clear their doubts at any time through discussion in the class.

3. Student was motivated to work hard on their concept building and writing skills.

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Session 2022-23   Semester 6th

CLASS B.Sc III yr   SUBJECT AGS-328   Theory/Practical/Seminar 11
(late learners extra class)

SECTION/GROUP/PAPER _____ FROM _____ TO _____ DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	207039	Kashish Kamboj	P	P														
2.	0514	Rahul Battal	P	P														
3.	1184	Mandeep	P	P														
4.	1390	Avi Bishnoi	P	P														
	1355	Keshav	P	P														

Action taken for Advance Learners

1.Extra class was taken on 04.04.2023 (1:30-2:30)

2.Students were motivated to clear their doubts at any time through free discussion in the class.

3. Students were motivated to work hard on their concept building and writing skills and attempt the paper according to the pattern for competitive exams.

Session 2022-23   Semester 6th

CLASS B.Sc III year   SUBJECT AGS-328   Theory/Practical/Seminar 11
(Early learners/Advance learners)

SECTION/GROUP/PAPER _____ FROM _____ TO _____ DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	0324	Lalita	P	P														
2.	1625	Shiva Sharma	P	P														
3.	1160	Alok Kumar	P	P														
4.	1203	Mehak Sharma	P	P														

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4. **Faculty Name :** Dr. Anju Pathania

a. Course Name (Course Code): Fundamentals of Plant Breeding (AGS127)

Action taken for Slow Learners

1. More attention was given to the students during regular classes and motivated to clear their doubts even during off hours
2. Extra classes were taken to revise difficult topics and clear doubts
3. Study material was provided to understand the difficult topics.

Action taken for Advanced Learner

1. Students were counselled and motivated to clear their concept and start preparation for competitive exams
2. Advised to consult the text books in the library to clear concepts apart from study material provided them
3. Students were advised to discuss topics with other students and teacher during regular classes.

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6.	1220124?	Ritik Sharma	P	P	P	P	P	

AGS127

Advanced Learners

			2013	24/1	31/1	13/1	31/1
1.	1220474	Deepasha	A	P	P	A	P
2.	12200289	Deksha	P	P	P	P	P
3.	1220700	Gyasu Mahajan	P P		P	P	P

b. **Course Name (Course Code): Fundamentalsof PlantBreeding (AGS556)**
   Action taken for Slow Learners

ActiontakenforSlowLearners
1. Moreattentionwas giventothestudentsduringregular classesandmotivatedtocleartheirdoubtsevenduringoffhours
2. Extraclassesweretaken torevisedifficult topics andcleardoubts
3. Studymaterialwasprovidedtounderstandthedifficulttopics

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Session ....istyear.... Semester ...2nd 6m...

CLASS ....B01A.... SUBJECT ...AGS127... Theory/Practical/Seminar ...Slow learn....ttendance Re

SECTION/GROUP/PAPER ...B01A.... FROM....... TO .... DAYS ..... PERIOD/S....

Sr. No.	Roll No.	Name							7	8	9	10	11	12	13	14		8	19	20	21	22	23	24
1.	1220279	Armaan Singh Jhandi	P	P	P	P	P	P																
2.	12200920	Bhavesh Valt	P	P	P	P	P	P																
3.	1220063	Cakshi	P	P	P	P	P	P																
4.	1220180	Prachi Mahajan	P	P	P	P	P	P																
5.	1220190	Abhimangu	P	P	P	P	P																	
6.	1220247	Ritik Sharma	P	P	P	P	P																	

ActiontakenforAdvancedLearners

1. Studentswerecounselledandmotivatedtocleartheirconcept andstartpreparationforcompetitiveexams

2. Advisedtoconsultthetextbooksinthelibrarytoclearconceptsapartfromstudymaterialpro videdthem

3. Students wereadvised todiscusstopicswithother studentsand teacherduringregularclass.

5. **Faculty Name: Dr. Monika Menia**

a. **Course Name: Farming System and Sustainable Agriculture**
Course Code: AGS226

Action taken for Slow Learners

1. The students of this category faced problem in learning basic skills and conceptualize the syllabus related topics. To help these students, regular discussions were done in class and they were provided with proper notes.

2. Their efforts were highlighted and they were constantly encouraged to express their ideas.

3. Fast learners also helped this group.

Action taken for Advanced Learners

1. Group discussions in class on subject oriented topics to enhance their communication skills

2. They were asked to have clear learning goals and follow easy learning methodology.

3. Students of this group were asked to help students of slow learners group as well.

b. **Course Name: Practical Crop Production-II (*Rabi* Crops)**
Course Code: AGS326

Action taken for Slow Learners

1. The students of this category faced problem in learning basic skills and conceptualize the syllabus related topics. To help these students, regular discussions were done in class and they were provided with proper notes.

2. Their efforts were highlighted and they were constantly encouraged to express their ideas.

3. Fast learners also helped this group.

Action taken for Advanced Learners

1. Group discussions in class was done on subject oriented topics to enhance their communication skills
2. They were asked to have clear learning goals and follow easy learning methodology.
3. Students of this group were asked to help students of slow learners group as well.

c. **Course Name: Rainfed Agriculture and Watershed Management**
Course Code: AGS320

Action taken for Slow Learners
1. The students of this category faced problem in learning basic skills and conceptualize the syllabus related topics. To help these students, regular discussions were done in class and they were provided with proper notes.
2. Their efforts were highlighted and they were constantly encouraged to express their ideas.
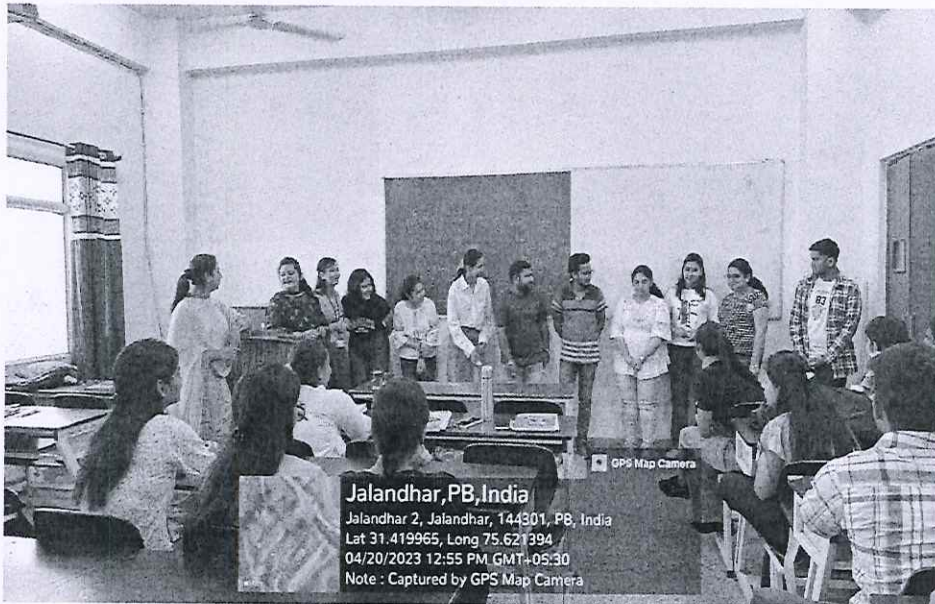3. Fast learners also helped this group.

Action taken for Advanced Learners
1. Group discussions in class was done on subject oriented topics to enhance their communication skills
2. They were asked to have clear learning goals and follow easy learning methodology.
3. Students of this group were asked to help students of slow learners group as well.

Jalandhar, PB, India
Jalandhar 2, Jalandhar, 144301, PB, India
Lat 31.420800, Long 75.620910
04/20/2023 12:56 PM GMT+05:30
Note : Captured by GPS Map Camera

Jalandhar,PB,India
Jalandhar 2, Jalandhar, 144301, PB, India
Lat 31.420377, Long 75.621047
04/20/2023 12:55 PM GMT+05:30
Note : Captured by GPS Map Camera

Jalandhar,PB,India
Jalandhar 2, Jalandhar, 144301, PB, India
Lat 31.419769, Long 75.621429
04/20/2023 12:52 PM GMT+05:30
Note : Captured by GPS Map Camera

Jalandhar,PB,India
Jalandhar 2, Jalandhar, 144301, PB, India
Lat 31.419965, Long 75.621394
04/20/2023 12:55 PM GMT+05:30
Note : Captured by GPS Map Camera

6. **Faculty Name – Ms. Manjot Kaur**

a. **Course Name (Course Code) – Production Technology of Fruits and Plantation crops (AGS 225)**

   Action taken for Slow Learners
   1. Doubt clearing sessions have been conducted.
   2. Extra study material have been provided for tough topics for more clarification.

   Action taken for Advanced Learners
   1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
   2. Field visits have been made to vegetable nursery for enhanced practical knowledge needed for the subject.

b. . **Course Name (Course Code) – Fundamentals of Horticulture (AGS 125)**

   Action taken for Slow Learners
   1. Doubt clearing sessions have been conducted.
   2. Extra study material have been provided for tough topics for more clarification.

   Action taken for Advanced Learners
   1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
   2. Orchard visits has been made for more enhancement in practical knowledge.

c. **Course Name (Course Code) – General Orientation...... (AGS 421 _ G101)**
   Action taken for Slow Learners – NA in this Course

   Action taken for Advanced Learners
   1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
   2. Field visits have been made to vegetable nursery for enhanced practical knowledge needed for the subject.

d. . **Course Name (Course Code) – General Orientation...... (AGS 421 _ G102)**

   Action taken for Slow Learners – NA in this Course

   Action taken for Advanced Learners
   1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
   2. Orchard visits has been made for more enhancement in practical knowledge.

7. **Faculty Name Er. Prashant Shukla**
   a. Course Name (Course Code): Renewable Energy and Green Technology (AGS223)
   Action taken for Slow Learners

   1. Revise each learning topics more than normally.

   2. Provide more PPT and NPTEL videos for their clearification.

   Action taken for Advanced Learner

   1. Students were appreciated to further improve their writing skills and understanding of concepts.

   2. Students were encouraged for clearing their doubts for further improvement.

   c. **Course Name (Course Code): Soil and Water Conservation Engineering(AGS228A)**

ActiontakenforAdvancedLearners
1. Students were appreciated to further improve their writing skills and understanding of concepts.
2. Students were encouraged for clearing their doubts for further improvement.

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1.	1471	Sahil Kansal		P	P		
2.	813	Anshika					
AGS-228 A				25/3	6/4		
Top learner							
1.	045	Manbeet Kaur		P	P		
2.	1393	Sakshi Thakur		P	P		
3.	057	Pallavi Thakur		P	P		
Slow learner							
	NIL						

d. **Course Name (Course Code): Protected Cultivation and Secondary Agriculture(AGS-321)**

ActiontakenforAdvancedLearners
1. Students were appreciated to further improve their writing skills and understanding of concepts.
2. Students were encouraged for clearing their doubts for further improvement.

	NIL						
AGS-321 (Ho1A & Ho1B)				8/4	25/4	9/5	
Advance learner							
1.	1160	Alok Kumar		P	P	P	
2.	1025	Shiva Sharma		P	P	P	
3.	909	Lavita		P	P	P	
4.	462	Nancy		P	P	P	

8. **Faculty Name : Dr. Sonika Sharma**

a. **Course Name (Course Code): Fundamental of Entomology (AGS124)**

    Action taken for Slow Learners

1. Extra classes were taken
2. Assignments in form of power point presentation were given
3. Provided solution of previous years question papers
4. Doubt clearing classes
5. Career counseling by topper students
6. Library visits

Action is taken for Advanced Learners

5. Encouraged to enrol in agMOOC courses.
6. They were given access to additional learning and reference material.
   3. Presentation sessions

b. **Course Name (Course Code): Introductory to Beekeeping (AGS229F)**
   Action Taken for Slow Learners

1. Special class and Counseling is given to slow learners.

2. Provide the supplementary study Materials

3. Create the ability in the students to answer the questions in class

Action is taken for Advanced Learners

1. Guided them to enroll in the online courses like Agmoocs, swAyAM

2. Students are motivated for taking the seminar in the classes.

e. **Course Name (Course Code): Management of Beneficial Insects (AGS324)**

Action Taken for Slow Learners

1. Special class and Counseling is given to slow learners.

2. Provide the supplementary study Materials

3. Assignments in the form of power point presentations were given

Action is taken for Advanced Learners

1. Guided them to enroll in the online courses like NprEL, swAyAM

2. Encouraged to participate and present papers in seminars/conferences.
3. They were given access to additional learning and reference material.

9. **Faculty Name: Dr. A. Harshavardhan Reddy**

a. **Course Name (Course Code): Introduction to protected cultivation (AGS229E)**
   Action taken for Slow Learners
   1. Motivated the students to work on basics
   2. Conducted classes to clear the same

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Action taken for Advanced Learners
1.Students were asked to refer newsletters and journals related to the course to understand the trends.
2. Students were asked to visit industrial establishments related to the course to experience the gained knowledge.

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Sr. No.	Roll No.	Name	1	2	3	4	5
		(ADVANCED LEARNERS)	25/03 2023	4/04 2023	10/04 2023	13/04 2023	
1	12101288	Sukhleen Kaur	P	P	P	P	
		(SLOW LEARNERS)	25/03 2023	4/04 2023	10/04 2023	03/05 2023	
1	12101459	RISHI MITTER	P	P	P	P	

Session 2022-23 ... Semester 04 ... CLASS B.Sc (Hons.) Agriculture SUBJECT AGS 323 ... SECTION/GROUP/PAPER AGRA ... FROM

b. **Course Name (Course Code): PHM and value addition of fruits and vegetables (AGS323)**

Action taken for Slow Learners
1.Motivated the students to work on basics
2. Conducted classes to clear the same

Action taken for Advanced Learners
1. Students were asked to refer newsletters and journals related to the course to understand the trends.
2. Students were asked to visit industrial establishments related to the course to experience the gained knowledge

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Session...22232........ Semester ......06.........

CLASS B.Sc (Hony) Agriculture SUBJECT......AGS 323.........Theory.

SECTION/GROUP/PAPER........................... FROM...............

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7
		ADVANCED LEARNERS							
			24/03 2023	07/04 2023	21/04 2023	05/05 2023			
1	12000322	Divya	P	A	P	P			
2	12000419	Pallavi	P	A	P	P			
3	12000621	Aditi	P	P	P	P			
4	12000751	Prabhjot Kaur	P	A	P	P			
5	12000909	Lavita	A	P	P	P			
6	12001203	Mehak Sharma	P	P	P	P			
7	12001336	Mansi Malhotra	P	A	P	P			
8	12001493	Prateeksha Thakur	P	P	P	P			
		SLOW LEARNERS							
		—							

10. **Faculty Name: Dr Rahul Kumar**

a. **Course Name (Course Code):** Biotechnology for Crop Improvement (AGS523)
   Action taken for Slow Learners
   1. Extra classes
   2. Counselling on study methods
   3. Personal moral boost

   Action taken for Advanced Learners
   1. Extra classes
   2. Counselling on further excellence in academics and career

b. **Course Name (Course Code)**

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NSS II (AGS102)

Action taken for Slow Learners
1. Extra classes
2. Counselling on national service
3. Personal moral boost

Action taken for Advanced Learners
1. Extra classes
2. Counselling on social services in their neighborhood and vicinity

11. Faculty Name: Ms. DixaTanotra

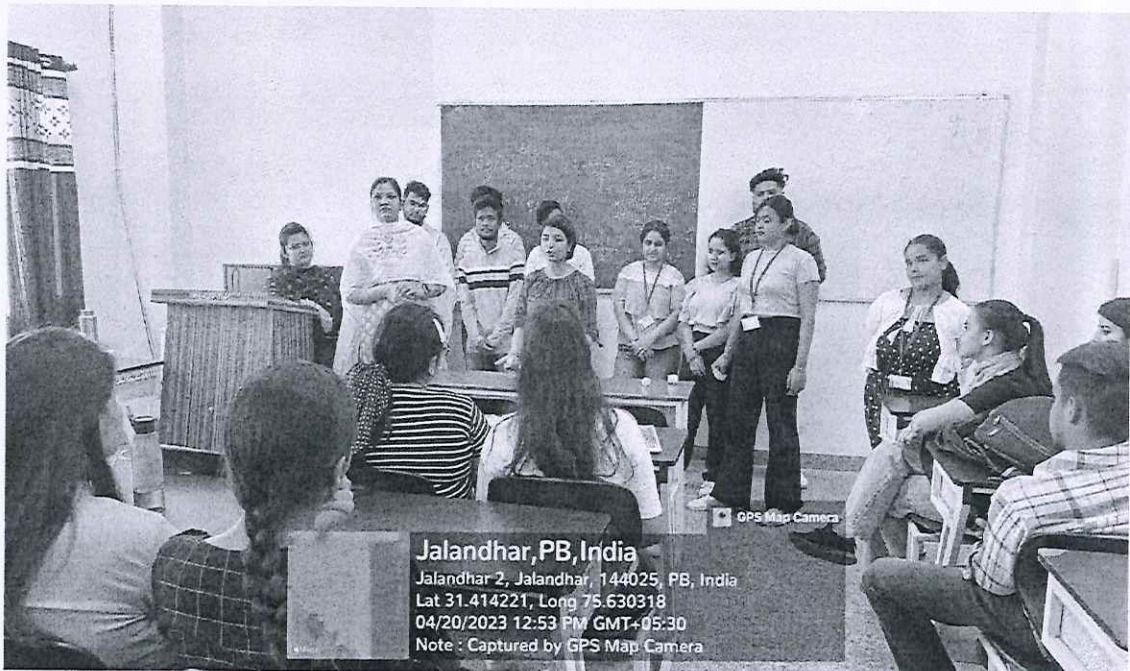**a. Course Name: Crop Production Technology –II (*Rabi Crops*)**

Course Code: AGS221

Action taken for Slow Learners
1. The students of this category faced problem in learning basic skills and conceptualize the syllabus related topics. To help these students, regular discussions were done in class and they were provided with proper notes.
2. Their efforts were highlighted and they were constantly encouraged to express their ideas.
3. Fast learners also helped this group.

Action taken for Advanced Learners

1. Group discussions in class on subject oriented topics to enhance their communication skills

2. They were asked to have clear learning goals and follow easy learning methodology.

3. Students of this group were asked to help students of slow learners group as well.

b. Course Name: Practical Crop Production-II (*Rabi* Crops)

Course Code: AGS326

Action taken for Slow Learners

1. The students of this category faced problem in learning basic skills and conceptualize the syllabus related topics. To help these students, regular discussions were done in class and they were provided with proper notes.

2. Their efforts were highlighted and they were constantly encouraged to express their ideas.

3. Fast learners also helped this group.

Action taken for Advanced Learners

1. Group discussions in class was done on subject oriented topics to enhance their communication skills

2. They were asked to have clear learning goals and follow easy learning methodology.

3. Students of this group were asked to help students of slow learners group as well.

c. Course Name: Weed Management

Course Code: AGS330 B

Action taken for Slow Learners

1. The students of this category faced problem in learning basic skills and conceptualize the syllabus related topics. To help these students, regular discussions were done in class and they were provided with proper notes.
2. Their efforts were highlighted and they were constantly encouraged to express their ideas.
3. Fast learners also helped this group.

Action taken for Advanced Learners

1. Group discussions in class was done on subject oriented topics to enhance their communication skills
2. They were asked to have clear learning goals and follow easy learning methodology.
3. Students of this group were asked to help students of slow learners group as well.

12. Faculty Name: Dr. Priyanka

d. **Course Name: Principles of Food Science and Nutrition**
   Course Code: AGS329
   Action taken for Slow Learners
   1. The students of this category faced problem in learning basic skills and conceptualize the syllabus related topics. To help these students, regular discussions were done in class and they were provided with proper notes.
   2. Their efforts were highlighted and they were constantly encouraged to express their ideas.
   3. Fast learners also helped this group.

   Action taken for Advanced Learners
   1. Group discussions in class on subject oriented topics to enhance their communication skills
   2. They were asked to have clear learning goals and follow easy learning methodology.
   3. Students of this group were asked to help students of slow learners group as well.

Jalandhar, PB, India
Jalandhar 2, Jalandhar, 144025, PB, India
Lat 31.414221, Long 75.630318
04/20/2023 12:53 PM GMT+05:30
Note : Captured by GPS Map Camera

Department of Mathematics
Action Taken Report for Slow and Advanced Learners

1. **Faculty Name: Dr. Raj Kumar**

a. **Course Name (Course Code): Linear Algebra (MTH553)**

Action taken for Slow Learners

1. Assignment based upon fundamental concepts was given.
   (See Assignment-1 below)
2. Provided links of video lectures for the related topics for better understanding.

https://www.youtube.com/watch?v=kZwSqZuBMGg
https://www.youtube.com/watch?v=celUu5aY6_Q

3. Arranged special doubt clearing classes.

Action taken for Advanced Learners

1. Assignment based upon questions of CSIR-NET was given.
   (See Assignment-1I below)
2. Applications of linear algebra in machine learning, Online video lectures are provided to them and whose links are as follows:

https://www.youtube.com/watch?v=Qc19jQWHdL0&list=PLRDl2inPrWQW1QSW hBU0ki-jq_uElkh2a

Assignment-I (Slow Learners)					
Subject Name	Linear Algebra			**Subject Code**	**MTH553**
Faculty Name	**Dr. Raj Kumar**	Date of Issue	**1-Dec-2022**	Date of Submission	**10-Dec-2022**

Q.1 Which of the following is (are) vector subspace(s) of their corresponding vector spaces.

(i) The set of all solutions of the homogeneous system of linear equations.

(ii) The set continuous functions and solutions of the differential equation $2\frac{d^2y}{dx^2} - 9\frac{dy}{dx} + 2y = 0$.

(iii) The set $W = \{(a,b) : \ a^2 = b^2; \ a, b \in R\}$.

Q.2 Prove that Characteristic and Minimal polynomials of a matrix A have same roots.

Q.3 Any orthogonal set of non-zero vectors in an inner product space V is linearly Independent.

Q.4 Find the minimal polynomial for the real matrix $\begin{bmatrix} 4 & 3 & 0 \\ 2 & 1 & 0 \\ 5 & 7 & 9 \end{bmatrix}$.

Assignment-II (Advanced Learners)					
Subject Name	Linear Algebra			**Subject Code**	**MTH553**
Faculty Name	Dr. Raj Kumar	**Date of Issue**	1-Dec-2022	**Date of Submission**	**10-Dec-2022**

Q.1 Show that a necessary and sufficient condition that a linear transformation T on a unitary space be $\hat{0}$ is that $< Ta, a > = 0, \forall a \in V$

Q.2 Prove that every complete orthonormal set in a finite dimensional inner product space V forms a basis for V.

Q.3 Discuss about dual space of a vector space.

Q.4 Discuss in details about self-adjoint operators.

b. **Course Name (Course Code) : Real Analysis (MTH229)**

Action taken for Slow Learners

1. Assignment based upon fundamental concepts was given.
   (See Assignment-1 below)
2. Provided links of video lectures for the related topics for better understanding.
   https://youtu.be/u7cBLb0b7pk
3. Arranged special doubt clearing classes.

Action taken for Advanced Learners

1. Assignment based upon questions of IIT-JAM was given.
   (See Assignment-1I below)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/u7cBLb0b7pk

Assignment-1 (Slow Learners)					
Subject Name	Real Analysis			**Subject Code**	**MTH229**
Faculty Name	Dr. Raj Kumar	**Date of Issue**	26-Nov-2022	**Date of Submission**	**02-Dec-2022**

Q.1 Discuss about derived set of a set.

Q.2 What you understand by open set.

Q.3 Show that $\sqrt{8}$

Q.4 Discuss about limit points of the set of rational numbers.

Assignment-II (Advanced Learners)					
Subject Name	Real Analysis			**Subject Code**	**MTH229**
Faculty Name	Dr, Raj Kumar	**Date of Issue**	**26-Nov-2022**	**Date of Submission**	**02-Dec-2022**

Q.1 Discuss about countable-uncountable sets.

Q.2 Discuss about convergence of a series of positive terms.

Q.3 Discuss in details about ϵ, δ definition.

Q.4 Discuss about limit points of the set of rational numbers.

c. **Course Name (Course Code): Integral Transforms and Complex Analysis (MTH351A)**

Action taken for Slow Learners

1. Assignment based upon fundamental concepts was given.
   (See Assignment-1 below)
2. Provided links of video lectures for the related topics for better understanding.

   https://www.youtube.com/watch?v=KgokoYr_h1A

3 Arranged special doubt clearing classes.

Action taken for Advanced Learners

1. Advanced Assignment given to them.
   (See Assignment-II below)
2. Given a presentation on the topic complex numbers
   Links are as follows:
   https://www.youtube.com/watch?v=T647CGsuOVU

Assignment-1 (Slow Learners)					
Subject Name	Integral Transforms and Complex Analysis			**Subject Code**	**MTH351A**
Faculty Name	Dr. Raj Kumar	**Date of Issue**	**26-Nov-2022**	**Date of Submission**	**02-Dec-2022**

Q.1 Find $L\{f(t)\} = \begin{cases} \sin\left(t - \frac{\pi}{3}\right) t > \frac{\pi}{3} \\ 0, t < \frac{\pi}{3} \end{cases}$

Q.2 Find $L\left\{\frac{2}{t} \times (1 - cosh2t)\right\}$

Q.3 Evaluate $L\left\{\int_0^t \frac{sinx}{x}dx\right\}$

Q.4 If n be a positive integer, prove that $(1 + \iota)^n + (1 - \iota)^n = 2^{\frac{n+2}{2}} \cos\frac{n\pi}{4}$.

Assignment-II (Advanced Learners)				
Subject Name	**Integral Transforms and Complex Analysis**		**Subject Code**	**MTH351A**
Faculty Name	**Dr. Raj Kumar**	**Date of Issue** 26-Nov-2022	**Date of Submission**	**02-Dec-2022**

Q. 1 Given $L\left\{2\sqrt{\left(\frac{t}{\pi}\right)}\right\} = \frac{1}{s^{\frac{3}{2}}}$ then show that $L\left\{\frac{1}{\sqrt{\pi t}}\right\} = \frac{1}{\sqrt{s}}$ .Find $L\left\{\frac{2}{t} \times (1 - cosh2t)\right\}$

Q.2 Apply Convolution theorem to evaluate $L^{-1}\left\{\frac{s}{(s^2+a^2)^2}\right\}$.

Q.3 Evaluate $L^{-1}\left\{\frac{s}{(s^2+1)(s^2+4)(s^2+9)}\right\}$.

2. **Faculty Name: Dr. Shelly Garg**

d. **Course Name (Course Code): Group Theory-I (MTH222)**

Action taken for Slow Learners
Assignment was given
Action taken for Advanced Learners
Assignment was given

e. **Course Name (Course Code): Algebra-II (MTH662)**

Action taken for Slow Learners
Assignment was given
Action taken for Advanced Learners
Assignment was given

f. **Course Name (Course Code): Mathematics for Chemists-II (MTH662)**

Action taken for Slow Learners
Assignment was given
Action taken for Advanced Learners
Assignment was given

Class/ Semester: B. Sc.(Hons.) Mathematics (3ʳᵈ Semester)

Subject with Code: Group Theory-I (MTH222)

Regd. No. 12100219, 12100790, 12100848

Q. No.	Question	CO Mapped	RBT Level
1	Prove that every finite cyclic group of order n is isomorphic to $\mathbb{Z}/n\mathbb{Z}$.	CO4	L5
2	Show that if G is a group of order 91, it cannot have two subgroups of order 13.	CO3	L4
3	Let G be the group of real numbers under addition. Show that $\theta: G \to G$, defined by $\theta(x) = [x]$ is not an isomorphism, where $[x]$ denotes the greatest integer not greater than x.	CO4	L3
4	Prove that an infinite cyclic group is isomorphic to the group of integers.	CO4	L3

Regd. No. 12100053, 12100099, 12100140, 12100218, 12100252, 12100303, 12100388, 12100414, 12100515, 12100519, 12100520, 12100671, 12100707, 12100791, 12101119, 12101415.

Q. No.	Question	CO Mapped	RBT Level
1	Show that $2\mathbb{Z} \cong 3\mathbb{Z}$ by defining the homomorphism $f(2x) = 3x$.	CO4	L3
2	Let $f: \mathbb{C} \to \mathbb{C}$ be defined by $f(z) = \bar{z}$. Prove that f is an automorphism.	CO4	L3
3	Let $f: (\mathbb{Z}, +) \to (3\mathbb{Z}, +)$ be defined by $f(x) = 3x$. Prove that f is a group isomorphism.	CO4	L3
4	Prove that the group $G = \{-1, 1\}$ under multiplication is isomorphic to $\mathbb{Z}_2$.	CO4	L3

Class/ Semester: M. Sc. (Hons) Mathematics (3rd Semester)

Subject with Code: Algebra-II (MTH662)

Regd. No. 12100889

Q. No.	Question	CO Mapped	RBT Level
1	Show that the Galois group of $x^4 - 2 \in \mathbb{Q}[x]$ is the group of symmetries of a square.	CO4	L5
2	Find condition on a and b such that the splitting field of $x^3 + ax + b \in \mathbb{Q}[x]$ has degree of extension 3 over $\mathbb{Q}$.	CO3	L4
3.	Let $E_i, i \in \Lambda$ be a family of normal extensions of a field F in some extension K of F. Show that $\bigcap_{i \in \Lambda} E_i$ is also a normal extension of F.	CO3	L3

Regd. No. 12100550, 12100783, 12101215

Q. No.	Question	CO Mapped	RBT Level
1	Which of the following extensions are normal over $\mathbb{Q}$? (i) $\mathbb{Q}(\sqrt{-2})$ (ii) $\mathbb{Q}(5\sqrt{7})$ (iii) $\mathbb{Q}(\sqrt{-1})$ (iv) $\mathbb{Q}(x), x$ is not algebraic over $\mathbb{Q}$.	CO3	L3
2	Is $\mathbb{R}(\sqrt{-5})$ normal over $\mathbb{R}$?	CO3	L3
3	Let $F = \mathbb{Q}(\sqrt{2})$ and $E = \mathbb{Q}\sqrt[4]{2}$. Show that E is normal extension of F, F is normal extension of $\mathbb{Q}$. But E is not normal extension of $\mathbb{Q}$.	CO3	L3

Class/ Semester: B. Sc. (Hons) Chemistry(3rd Semester)

Subject with Code: Mathematics for Chemists-II (MTH260A)

Regd. No. 12100485

Q. No.	Question	CO Mapped	RBT Level
1	Solve the integration $\int \frac{xe^{2x}}{(1+2x)^2} dx$.	CO4	L5
2	Solve $\int x^2 e^{3x} dx$	CO4	L4
3.	Solve $\int \sqrt{3 - 2x - x^2} dx$	CO4	L5
4	Find $\int \frac{\sin 2x}{(1+\sin x)(2+\sin x)} dx$	CO4	L4

Regd. No. 12101422

Q. No.	Question	CO Mapped	RBT Level
1	Solve $\int x\sqrt{3x - 2} \, dx$	CO4	L3
2	Solve $\int \frac{e^{2x}-e^{-2x}}{e^{2x}+e^{-2x}} dx$	CO4	L3
3	Solve $\int \frac{x}{9-4x^2} dx$	CO4	L3
4	Solve $\int x^3\sqrt{3 + 5x^4} \, dx$	CO4	L3

3. **Faculty Name: Dr. Rajesh Joshi**

a. **Course Name (Course Code): Engineering Mathematics-I (MTH151A)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
https://youtu.be/KaLA1cWhQlA (One link contains the whole playlist).
3. Extra time 2:30pm to 3:30pm (Every Monday for clearing their doubts).

Action taken for Advanced Learners

1. Advanced Assignment given to them (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
https://youtu.be/DaMpZ3IEmwE (One link contains the whole playlist).

Proof of Assignments

Instructions

MTH151A (Engineering Mathematics-I)	
Marks	Assignment
0 − 10	Assignment 1
11 − 25	Assignment 2

Assignment: 01 (Slow Learners)					
Subject Name	Engineering Mathematics-I			Subject Code	MTH151A
Faculty Name	Dr. Rajesh Joshi	Date of Issue	19-Nov-2022	Date of Submission	26-Nov-2022

Q.1 Find the matrix P which transforms the matrix $A = \begin{bmatrix} 1 & 1 & 3 \\ 1 & 5 & 1 \\ 3 & 1 & 1 \end{bmatrix}$ to the diagonal form.

Q.2 Prove that the matrix $A = \begin{bmatrix} \frac{1+i}{2} & \frac{-1+i}{2} \\ \frac{1+i}{2} & \frac{1-i}{2} \end{bmatrix}$ is unitary and find A^{-1}.

Q.3 If $u = log(x^3 + y^3 + z^3 - 3xyz)$, show that $\left(\frac{\partial}{\partial x} + \frac{\partial}{\partial y} + \frac{\partial}{\partial z}\right)^2 u = \frac{-9}{(x+y+z)^2}$.

Q.4 Expand $f(x, y) = x^y$ in powers of (x-1) and (y-1).

Q.5 Solve $2xy' = 10x^3y^5 + y$.

Assignment: 02 (Advanced Learners)					
Subject Name	Engineering Mathematics-I			Subject Code	MTH151A
Faculty Name	Dr. Rajesh Joshi	Date of Issue	19-Nov-2022	Date of Submission	26-Nov-2022

Q.1 Determine the values of p such that the rank of $A = \begin{bmatrix} 1 & 1 & -1 & 0 \\ 4 & 4 & -3 & 1 \\ p & 2 & 2 & 2 \\ 9 & 9 & p & 3 \end{bmatrix}$ is 3.

Q.2 A rectangular box open at the top is to have volume of 32 cubic ft. Find the dimension of the box requiring least material for its contruction.

Q.3 Prove that necessary and sufficient condition for the differential equation Mdx+Ndy=0 to be exact $\frac{\partial M}{\partial y} = \frac{\partial N}{\partial x}$.

Q.4 Solve, by the method of variation parameters, $y'' - 2y' + y = e^x \log x$.

b. **Course Name (Course Code) : Engineering Mathematics-III (MTH252A)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/HoGNkZclxDU (One link contains the whole playlists).

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/d7NF-_8vVv4 (One link contains the whole playlists)

Proof of Assignments

Instructions

MTH252A (Engineering Mathematics-III)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)					
Subject Name	Engineering Mathematics-III			Subject Code	MTH252A
Faculty Name	Dr. Rajesh Joshi	Date of Issue	23-Nov-2022	Date of Submission	1-Dec-2022

1. Write the Dirichlet's conditions for the existence of Fourier series of a function.

2. Express $f(x) = \frac{x}{2}$ as a Fourier series in the interval $-\pi < x < \pi$.

3. Obtain the Fourier series of $f(x) = e^{-x}$ in the interval $0 < x < 2\pi$.

4. Evaluate $\int_{\alpha}^{\alpha+2\pi} \cos mx \sin nx \, dx$.

5. Find the Fourier series to represent the function $f(x)$ given by $\begin{cases} x, 0 \le x \le \pi \\ 2\pi - x, \pi \le x \le 2\pi. \end{cases}$ Hence deduce that $\frac{1}{1^2} + \frac{1}{3^2} + \frac{1}{5^2} + \cdots = \frac{\pi^2}{8}$.

Assignment: 02 (Advanced Learners)					
Subject Name	Engineering Mathematics-III			Subject Code	MTH252A
Faculty Name	Dr. Rajesh Joshi	Date of Issue	23-Nov-2022	Date of Submission	1-Dec-2022

1. Expand $f(x) = \sqrt{(1 - \cos x)}, 0 < x < 2\pi$ in a Fourier series and hence evaluate $\frac{1}{1.3} + \frac{1}{3.5} + \cdots$

2. Find the Fourier series to represent the function $f(x)$ given by $\begin{cases} x, 0 \le x \le \pi \\ 2\pi - x, \pi \le x \le 2\pi. \end{cases}$ Hence deduce that $\frac{1}{1^2} + \frac{1}{3^2} + \frac{1}{5^2} + \cdots = \frac{\pi^2}{8}$.

3. If $f(x) = \begin{cases} 0, -\pi < x < 0 \\ \sin x, 0 < x < \pi, \end{cases}$ prove that $f(x) = \frac{1}{\pi} + \frac{\sin x}{2} - \frac{2}{\pi} \sum_{m=1}^{\infty} \frac{\cos 2mx}{4m^2 - 1}$. Hence show that $\frac{1}{1.3} - \frac{1}{3.5} + \frac{1}{5.7} - \cdots = \frac{1}{4}(\pi - 2)$.

4. Apply Convolution theorem to evaluate $L^{-1}\left\{ \frac{s}{(s^2 + a^2)^2} \right\}$.

5. Find the Fourier series for the function $f(t) = \begin{cases} -1, -\pi < t < -\frac{\pi}{2} \\ 0, -\frac{\pi}{2} < t < \frac{\pi}{2} \\ 1, \frac{\pi}{2} < t < \pi. \end{cases}$

c. **Course Name (Course Code) : Real Analysis (MTH550)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom).
2. Online lectures created by me whose links have been given so that they can study according to their suitable time and concern with me any time. Links are as follows: https://youtu.be/bWTmUWWZnhQ

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online lectures created by me whose links have been given so that they can study according to their suitable time and concern with me any time. Links are as follows: https://youtu.be/DO0Dzz07DNI

Proof of Assignments

Instructions

MTH550 (Real Analysis)	
Marks	Assignment
0 − 10	Assignment 1
11 − 25	Assignment 2

Assignment: 01 (Slow Learners)					
Subject Name	Real Analysis			Subject Code	MTH550
Faculty Name	Dr. Rajesh Joshi	Date of Issue	21-Nov-2022	Date of Submission	02-Dec-2022

1. Prove that the unit interval [0, 1] is uncountable.
2. Prove that the set $\mathbb{N} \times \mathbb{N}$ is countable.
3. Prove that $(L(R^n, R^m), d)$ is a metric space where $d(A, B) = \| A - B \|$.
4. Prove that countable union of countable sets is countable.
5. If $\langle f_n \rangle, \langle g_n \rangle, \ and \ \langle h_n \rangle$ are three sequences such that (i). $\lim_{n \to \infty} \langle f_n \rangle = \lim_{n \to \infty} \langle h_n \rangle = l$, (ii). For some positive integer $p \ f_n \le g_n \le h_n \forall n \ge p$, then show that $\lim_{n \to \infty} g_n = l$.

Assignment: 02 (Advanced Learners)					
Subject Name	Real Analysis			Subject Code	MTH550
Faculty Name	Dr. Rajesh Joshi	Date of Issue	26-Nov-2022	Date of Submission	02-Dec-2022

1. If f is continuous on [a, b] then $f \in RS(\alpha)$. Moreover, to every $\epsilon > 0$, there exists a $\delta > 0$ such that $\left| S(P, f, \alpha) - \int_a^b f \, d\alpha \right| < \epsilon$ for all partitions $P = \{a = x_0, x_1, x_2 \dots x_n = b\}$ of [a,b] with $\mu(P) < \delta$, and for every choice of $t_i \in \Delta x_i$, that is, $lim_{\mu(P) \to 0} S(P, f, \alpha) = \int_a^b f \, d\alpha$.

2. If f is a continuously differentiable mapping of an open set $E \subset R^n$ into R^n, $f'(a)$ is invertible for some $a \in E$, and $b = f(a)$. Then, prove that there exist open sets U and V in R^n such that $a \in U, b \in V$, f is one-to-one on U, and $f(U) = V$.

3. If f is a function bounded on [-1,1] and β be a function defined as $\beta(x) = \begin{cases} 0, x < 0 \\ \frac{1}{2}, x = 0 \\ 1, x > 0 \end{cases}$. Prove that $f \in RS(\beta)$ if and only if f is continuous at $x = 0$ and then $\int_{-1}^1 f \, d\beta = f(0)$.

4. Prove that every monotonically increasing sequence which is bounded above converges to its lease upper bound.

5. Let Ω be the set of all invertible linear operators on R^n.

    (a). If $A \in \Omega, B \in L(R^n)$, and $||B - A|| \cdot ||A^{-1}|| < 1$, then $B \in \Omega$.

    (b). Ω is an open subset of $L(R^n)$, and the mapping $A \to A^{-1}$ is continuous on Ω.

4. **Faculty Name: Dr. Vinod Kumar**

a. **Course Name (Course Code): Number Theory (MTH324)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/u7cBLb0b7pk (One link contains the whole playlist).
3. Extra time 2:30pm to 3:30pm (Every Monday for clearing their doubts).

Action taken for Advanced Learners

1. Advanced Assignment given to them (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/u7cBLb0b7pk (One link contains the whole playlist).

Proof of Assignments

Instructions

MTH324 (Number Theory)	
Marks	Assignment
$0-10$	Assignment 1
$11-25$	Assignment 2

Assignment: 01 (Slow Learners)

Subject Name	Number Theory			Subject Code	MTH324
Faculty Name	Dr. Vinod Kumar	Date of Issue	18-Nov-2022	Date of Submission	25-Nov-2022

1. Find the greatest common divisor d of two numbers 275 and 200 and then find the integers m and n such that $d = m\,(275) + n(200)$ using Euclidean Algorithm.

2. If $S = \{x: (x, 0) = x\}$ and $V = \{y: (0, y) = 1\}$ then find the cardinality of sets S and V.

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3. Check divisibility of integers is an equivalence relation or not? Specify your reason.
4. If $(a, b) = 1$ prove that $(a^2, b^2) = 1$.
5. Show that $n^7 - n$ is divisible by 42.

Assignment: 02 (Advanced Learners)					
Subject Name	Number Theory			Subject Code	MTH324
Faculty Name	Dr. Vinod Kumar	Date of Issue	18-Nov-2022	Date of Submission	25-Nov-2022

1. Find the remainder when 15! is divided by 17.
2. Show that 4(29!)+5! Is divisible by 31.
3. Solve $x \equiv 5 (mod\, 6)$, $x \equiv 4 (mod\, 11), x \equiv 3 (mod\, 17)$.
4. Find the remainder when 2 ∠26 is divided by 29.
5. What is the remainder when 3^{287} is divided by 23?

b. **Course Name (Course Code) : Discrete Mathematical Structures (CSA517)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/WW7YO0b4QHs (One link contains the whole playlists).

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/WW7YO0b4QHs (One link contains the whole playlists)

Proof of Assignments

Instructions

CSA517 (Discrete Mathematics)	
Marks	Assignment
$0-10$	Assignment 1
$11-25$	Assignment 2

Assignment: 01 (Slow Learners)

Subject Name	Discrete Mathematical Structures			Subject Code	CSA517
Faculty Name	Dr. Vinod Kumar	Date of Issue	26-Nov-2022	Date of Submission	02-Dec-2022

1. Check the divisibility is an equivalence relation on the set of Natural Numbers?

2. If $f:[0,1] \to R$ defined by $f(x) = x^2$. Check f is bijective or not?

3. If R be a relation in the set of integers defined by $= \{(x, y): x \in Z, y \in Z, (x - y) \text{ is divisble by } 6\}$ then prove that R is an equivalence relation.

4. Consider the function $f: N \to N$ where N is the set of natural numbers and defined by $f(n) = n^2 + n + 1$. Check f is injective and surjective or not?

5. Find the inverse of a matrix $A = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 2 & 9 \end{bmatrix}$.

Assignment: 02 (Advanced Learners)

Subject Name	Discrete Mathematical Structures			Subject Code	CSA517
Faculty Name	Dr. Vinod Kumar	Date of Issue	26-Nov-2022	Date of Submission	02-Dec-2022

1. Prove that z_3 is an abelian group under addition modulo 3.

2. Consider the set of words $A = \{sugar, fast, sun, wipe, well, shy\}$. Find $|R$, where R is the equivalence relation on A defined by "begins with the same letters as".

3. Consider $A = \{1,2,3,\ldots,9\}$ and let R be the relation on $A \times A$ defined by $(a,b)R(c,d)$ defined by $a + d = b + c$ then prove that R is an equivalence relation.

4. Consider the set of words $W = \{sugar, fast, sun, wipe, well, shy\}$. Find $|R$, where R is the equivalence relation on W defined by "begins with the same letters as".

5. Prove that $A \times (B \cap C) = (A \times B) \cap (A \times C)$.

c. **Course Name (Course Code) : Mathematical Methods (MTH549)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom).
2. Online lectures created by me whose links have been given so that they can study according to their suitable time and concern with me any time. Links are as follows: https://youtu.be/RgiaA1L7vJw

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online lectures created by me whose links have been given so that they can study according to their suitable time and concern with me any time. Links are as follows: https://youtu.be/RgiaA1L7vJw

Proof of Assignments

<u>**Instructions**</u>

MTH549 (Mathematical Methods)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)					
Subject Name	**Mathematical Methods**			**Subject Code**	**MTH549**
Faculty Name	**Dr. Vinod Kumar**	**Date of Issue**	**26-Nov-2022**	**Date of Submission**	**02-Dec-2022**

1. Find $L\{f(t)\} = \begin{cases} \sin\left(t - \frac{\pi}{3}\right) & t > \frac{\pi}{3} \\ 0, & t < \frac{\pi}{3} \end{cases}$

2. Find $L\left\{\frac{2}{t} \times (1 - \cosh 2t)\right\}$

3. Evaluate $L\left\{\int_0^t \frac{\sin x}{x}\, dx\right\}$

4. Solve $(D^2 + 2)x - Dy = 1,\ Dx + (D^2 + 2)y = 0$ if $x = Dx = y = Dy = 0$ when $t = 0$.

5. Obtain a half range cosine series for $f(x) = \begin{cases} kx, & 0 \le x \le \frac{l}{2} \\ k(l - x), & \frac{l}{2} \le x \le l \end{cases}$ and hence deduce that the

   sum of the series $\frac{1}{1^2} + \frac{1}{3^2} + \frac{1}{5^2} + \cdots \ldots \ldots \infty$

Assignment: 02 (Advanced Learners)

Subject Name	Mathematical Methods			Subject Code	MTH549
Faculty Name	Dr. Vinod Kumar	Date of Issue	26-Nov-2022	Date of Submission	02-Dec-2022

1. Given $L\left\{2\sqrt{\left(\frac{t}{\pi}\right)}\right\} = \frac{1}{s^{\frac{3}{2}}}$ then show that $L\left\{\frac{1}{\sqrt{\pi t}}\right\} = \frac{1}{\sqrt{s}}$. Find $L\left\{\frac{2}{t} \times (1 - \cosh 2t)\right\}$

2. Apply Convolution theorem to evaluate $L^{-1}\left\{\frac{s}{(s^2 + a^2)^2}\right\}$.

3. Solve the simultaneous equations $(D^2 - 3)x - 4y = 0,\ x + (D^2 + 1)y = 0$ for $t > 0$, given that $x = y = \frac{dy}{dt} = 0$ and $\frac{dx}{dt} = 2$ at $t = 0$.

4. Solve $ty'' + 2y' + ty = \cos t$ given that $y(0) = 1$.

5. Find the Fourier series for the function $f(t) = \begin{cases} -1, & -\pi < t < -\frac{\pi}{2} \\ 0, & -\frac{\pi}{2} < t < \frac{\pi}{2} \\ 1, & \frac{\pi}{2} < t < \pi. \end{cases}$

d. **Course Name (Course Code) : Statistical Methods For Applied Sciences (MTH670)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom).
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/zmyh7nCjmsg

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/zmyh7nCjmsg

Proof of Assignments

Instructions

MTH670 (Statistical Methods For Applied Sciences)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)				
Subject Name	Statistical Methods For Applied Sciences		**Subject Code**	**MTH670**
Faculty Name	Dr. Vinod Kumar	**Date of Issue** 16-Nov-2022	**Date of Submission**	23-Nov-2022

Q1. The mean and the standard deviations of a sample of size 10 were found to be 9.5 and 2.5 respectively. Later on, an additional observation became available. This was 150.0 and was included in the original sample. Find the mean and the standard deviation of the 11 observations.

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Q2 . Calculate the median for the following frequency distribution

Class Interval	0 − 10	10 − 20	20 − 30	30 − 40	40 − 50	50 − 60	60 − 70	70 − 80
Frequency	15	20	25	24	10	33	71	51

Assignment: 02 (Advanced Learners)

Subject Name	Statistical Methods For Applied Sciences		Subject Code	MTH670
Faculty Name	Dr. Vinod Kumar	Date of Issue	16-Nov-2022	Date of Submission	23-Nov-2022

Q1. If X is a Poisson distribution variate such that $P(X = 2) = 9P(X = 4) + 90P(X = 6)$. Find the standard Deviation.

Q2. Find the probability distribution of the number of doublets in four throws of a pair of dice.

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5. **Faculty Name: Mr. ARUN KOCHAR**

a. **Course Name (Course Code): Operations Research-I (MTH664)**

Action taken for Slow Learners

1. Simple and Basic assignments have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/a2QgdDk4Xjw (One link contains the whole playlist).

Action taken for Advanced Learners

1. Conceptual and competitive questions have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/a2QgdDk4Xjw (One link contains the whole playlist).

Proof of Assignments

Instructions

MTH664 (Operations Research-I)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)

Subject Name	Operations Research-I			Subject Code	MTH664
Faculty Name	Mr. ARUN KOCHAR	Date of Issue	16-Nov-2022	Date of Submission	24-Nov-2022

Q.1 Use the Dual Simplex method to Maximize $-3x_1 - 2x_2$ subjected to constraints $x_1 + x_2 \geq 1$, $x_1 + x_2 \leq 7$, $x_1 + 2x_2 \geq 10$, $x_2 \leq 3$ where $x_1, x_2 \geq 0$.

Q.2 With the help of Simplex method, find optimum solution
Max $Z = 5x_1 + 4x_2$ subjected to constraints $x_1 \leq 7$, $x_1 - x_2 \leq 8$ where $x_1, x_2 \geq 0$.

Q.3 Using Simplex method, solve the LPP, Max $Z = 3x_1 + 2x_2$ subjected to constraints $2x_1 + x_2 \leq 2$, $3x_1 + 4x_2 \geq 12$ where $x_1, x_2 \geq 0$.

Q.4 Using graphical method to find optimum solution of the problem

   Max Z = $10x_1 + 5x_2$ subjected to constraints $4x_1 + 5x_2 \leq 100$, $5x_1 + 2x_2 \leq 80$ where $x_1, x_2 \geq 0$.

Q.5 Five persons have to assigned to five machines. The assignment costs are given in the table:

Operators	I	II	III	IV	V
A	5	5	4	2	6
B	7	4	2	3	4
C	9	3	5	4	3
D	7	2	6	7	2
E	6	5	7	9	1

For some technical reasons A cannot operate machine III and C cannot operate machine IV. Find the optimal assignment.

	Assignment: 02 (Advanced Learners)				
Subject Name	**Operations Research-I**			**Subject Code**	**MTH664**
Faculty Name	**Mr. ARUN KOCHAR**	**Date of Issue**	**16-Nov-2022**	**Date of Submission**	**24-Nov-2022**

Q.1 Five persons have to assigned to five machines. The assignment costs are given in the table:

Operators	I	II	III	IV	V
E1	5	5	4	2	6
E2	7	4	2	3	4
E3	9	3	5	4	3
E4	7	2	6	7	2
E5	6	5	7	9	1

For some technical reasons E1 cannot operate machine III and E3 cannot operate machine IV. Find the optimal assignment.

Q.2 Find the initial feasible solution by VAM method and also check the optimality by MODI method of the following data:

Factories\Warehouses	A	B	C	Availability
X	5	3	22	2
Y	9	4.5	17	2
Z	3	20	5	4
Required	3	3	2	8

Q.3 Solve the following LPP by two phases simplex method

Max Z = $2x_1 + x_2 + 3x_3$ subjected to conditions $x_1 + x_2 + 2x_3 \leq 5$, $2x_1 + 3x_2 + 4x_3 = 12$ where $x_1, x_2, x_3 \geq 0$.

Q.4 Write down the dual of the following primal problem

Min Z = $2x_1 + x_2$ subjected to constraints $3x_1 + x_2 \geq 3, 4x_1 + 3x_2 \geq 6, x_1 + 2x_2 \geq 2$ where $x_1, x_2 \geq 0$ and find its optimum solution.

Q.5 A person requires 10, 12 and 12 units chemicals A, B and C respectively for his garden. A liquid product contains 5, 2 and 1 units of A, B and C respectively per jar. A dry product contains 1, 2 and 4 units of A, B and C per carton. If the liquid product sells whose cost price is Rs. 3 per jar and the dry product cost for Rs. 2 per carton, how many of each should be purchased, in order to minimize the cost and meet the requirements? Formulate the LPP.

b. **Course Name (Course Code): CALCULUS (MTH121A)**

Action taken for Slow Learners

1. Simple and Basic assignments have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/tffrrtzUhmw (One link contains the whole playlist).

Action taken for Advanced Learners

1. Conceptual and competitive questions have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/tffrrtzUhmw (One link contains the whole playlists)

Proof of Assignments

Instructions

MTH121A (CALCULUS)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)

Subject Name	CALCULUS			Subject Code	MTH121A
Faculty Name	Mr. ARUN KOCHAR	Date of Issue	16-Nov-2022	Date of Submission	24-Nov-2022

Q.1 Find the points of inflexion of the function $y = (\sin 4x + \cos 4x)\, e^{4x}$ where $0 < x < \frac{\pi}{2}$.

Q.2 Find $\frac{dy}{dx}$, if $y = x^{\cos x} + (\operatorname{Sinh} x)^{2x}$

Q.3 If $\lim\limits_{y \to 0} \frac{ae^y - b\cos y + c\, e^{-y}}{y \tan y} = 3$, then find the values of a, b and c.

Q.4 Show that curve $y = x^2$ is concave upward for all real value of x.

Q.5 If $y = e^{a \sin^{-1} x}$, Prove that
$$(1 - x^2)y_{n+2} - (2n + 1)xy_{n+1} - (n^2 + a^2)y_n = 0. \text{ Also find } y_n(0).$$

Assignment: 02 (Advanced Learners)					
Subject Name	CALCULUS			**Subject Code**	MTH121A
Faculty Name	Mr. ARUN KOCHAR	**Date of Issue**	16-Nov-2022	**Date of Submission**	24-Nov-2022

Quest:01) Trace the curve $y = x + \frac{1}{x}$.

Quest:02) Trace the curve r=a (1+cos θ).

Quest:03) Find all the asymptotes of the curve

$(x + y - 1)(x - y + 2)(2x + y) + 3x^2 + 2xy + y^2 + 4x = 0$.

Quest:04) Find the length of the curve $x = \cos t, \ y = (t + \sin t), \ 0 \le t \le \pi$.

Quest:05) Show that the line joining the two points of inflexion of the curve $y^2(x - a) = x^2(x + a), \ x \ne \pm a$ subtends an angle $\frac{\pi}{3}$ at the origin.

c. **Course Name (Course Code): PARTIAL DIFFERNTIAL EQUATIONS (MTH231)**

Action taken for Slow Learners

1. Simple and Basic assignments have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/ycMkvnkhOYs

https://youtu.be/De-yi95YILE

https://youtu.be/btOCUmJkrrg

Action taken for Advanced Learners

1. Conceptual and competitive questions have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/ycMkvnkhOYs

https://youtu.be/De-yi95YILE

https://youtu.be/btOCUmJkrrg

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Proof of Assignments

MTH231 (PARTIAL DIFFERNTIAL EQUATIONS)	
Marks	Assignment
$0-10$	Assignment 1
$11-25$	Assignment 2

Assignment: 01 (Slow Learners)

Subject Name	PARTIAL DIFFERENTIAL EQUATIONS		Subject Code	MTH231
Faculty Name	Mr. ARUN KOCHAR	Date of Issue	12-Nov-2022	Date of Submission	22-Nov-2022

Q.1 Solve $(x^2 - yz)p + (y^2 - zx)q = z^2 - xy$

Q.2 Find general solution of $\frac{\partial^3 z}{\partial x^3} - 2\frac{\partial^3 z}{\partial x^2 \partial y} = 2e^{2x} + 3x^2 y$

Q.3 Find characteristic equations of $x^2 r + 2xys + y^2 t = 0$.

Q.4 Solve $(D^2 + DD' + D' - 1)z = \sin(x+2y)$.

Q.5 Use the method of separable of variable solve $\frac{\partial u}{\partial x} = 4\frac{\partial u}{\partial y}$, given that $u(0,y) = 8e^{-3y}$

Assignment: 02 (Advanced Learners)

Subject Name	PARTIAL DIFFERENTIAL EQUATIONS		Subject Code	MTH231
Faculty Name	Mr. ARUN KOCHAR	Date of Issue	12-Nov-2022	Date of Submission	22-Nov-2022

Quest:01) Solve the Laplace equation $\frac{\partial^2 z}{\partial x^2} + \frac{\partial^2 z}{\partial y^2} = 0$ subject to the condition

$u(0,y)=u(L,y)=u(x,0)=0$ and $u(x,a) = \sin\frac{n\pi x}{L}$.

Quest:02) A string of length L has its ends x=0 and x=L fixed. It is released from the rest in the position $y = \frac{4\lambda x(L-x)}{L^2}$. Find an expression for the displacement of the string at any subsequent time.

Quest:03)

A homogeneous rod of conducting material of length 100 cm has its ends kept at zero temperature and the temperature initially is

$$u(x, 0) = x, \qquad\qquad 0 \le x \le 50$$
$$= 100 - x, \qquad 50 \le x \le 100.$$

Find the temperature $u(x, t)$ at any time.   (*Bhopal, 2007 ; C.S.V.T.U., 2007 ; Kurukshetra, 2006*)

Quest:04)

The diffusion equation

$$\frac{\partial^2 u}{\partial x^2} = \frac{\partial u}{\partial t}, \; u = u(x, t), \; u(0, t) = 0 = u(\pi, t),$$

$u(x, 0) = \cos x \sin 5x$ admits the solution

(a) $\dfrac{e^{-36t}}{2}\left[\sin 6x + e^{20t} \sin 4x\right]$

(b) $\dfrac{e^{-36t}}{2}\left[\sin 4x + e^{20t} \sin 6x\right]$

(c) $\dfrac{e^{-25t}}{2}\left[\sin 3x + e^{15t} \sin 5x\right]$

(d) $\dfrac{e^{-36t}}{2}\left[\sin 5x + e^{20t} \sin x\right]$

Quest:05)

Let $u(x,t)$ be the solution of the wave equation $\frac{\partial^2 u}{\partial t^2} - \frac{\partial^2 u}{\partial x^2} = 0, \; 0 < x < \pi, \; t > 0$.

with the initial conditions

$$u(x, 0) = \sin x + \sin 2x + \sin 3x .$$

$$\frac{\partial u}{\partial t}(x, 0) = 0, \; 0 < x < \pi$$

and the boundary condition

$$u(0, t) = u(\pi, t) = 0, \; t \ge 0$$

Then, the value of $u\left(\frac{\pi}{2}, \pi\right)$ is

(a)   −1/2
(b)   0
(c)   1/2
(d)   1   [2022 : 2 Marks]

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d. **Course Name (Course Code): MATHEMATICS FOR CHEMISTS (MTH160A)**

Action taken for Slow Learners

1. Simple and Basic assignments have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/_RDF7My0Lfg

   https://youtu.be/h5urBuE4Xhg

Action taken for Advanced Learners

1. Conceptual and competitive questions have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/_RDF7My0Lfg

   https://youtu.be/h5urBuE4Xhg

Proof of Assignments
Instructions

MTH160A (MATHEMATICS FOR CHEMISTS)	
Marks	Assignment
$0-10$	Assignment 1
$11-25$	Assignment 2

Assignment: 01 (Slow Learners)					
Subject Name	**MATHEMATICS FOR CHEMISTS**			**Subject Code**	**MTH160A**
Faculty Name	**Mr. ARUN KOCHAR**	Date of Issue	**12-Nov-2022**	Date of Submission	**20-Nov-2022**

Q.1 Express the matrix A as the sum of symmetric and skew symmetric matrix,

where $A = \begin{bmatrix} 3 & -2 & 6 \\ 2 & 7 & -1 \\ 5 & 4 & 0 \end{bmatrix}$.

Q.2 Show that $\begin{vmatrix} a & a+b & a+b+c \\ 2a & 3a+2b & 4a+3b+2c \\ 3a & 6a+3b & 10a+6b+3c \end{vmatrix} = a^3$

Q.3 Test the consistency and solve by Cramer's rule

$x + 2y + 3z = 0$

$3x + 4y + 4z = 0$

$7x + 10y + 12z = 0$

Q.4 Determine the eigen values and eigen vectors of the matrix $\begin{bmatrix} 8 & -6 & 2 \\ -6 & 7 & -4 \\ 2 & -4 & 3 \end{bmatrix}$.

Q.5 Verify Cayley-Hamilton theorem for the matrix A = $\begin{bmatrix} 7 & -1 & 3 \\ 6 & 1 & 4 \\ 2 & 4 & 8 \end{bmatrix}$.

Assignment: 02 (Advanced Learners)					
Subject Name	**MATHEMATICS FOR CHEMISTS**			**Subject Code**	**MTH160A**
Faculty Name	**Mr. ARUN KOCHAR**	Date of Issue	**12-Nov-2022**	Date of Submission	**20-Nov-2022**

Q.1 Show that the matrix A = $\begin{bmatrix} 1 & 1 & 3 \\ 5 & 2 & 6 \\ -2 & -1 & -3 \end{bmatrix}$ is nilpotent and find its index.

Q.2 If A = $\begin{bmatrix} 1 & 2 & 3 \\ 5 & 1 & -9 \\ -2 & 0 & -1 \end{bmatrix}$ then verify that $AA^T = A^T$

Q.3 Find non-trivial solution of the system of equations

$x - 2y - 3z = 0$, $-2x + 3y + 5z = 0$, $3x + y - 2z = 0$ if possible.

Q.4 Without expanding prove that $\begin{vmatrix} (a+b)^2 & ca & bc \\ ca & (c+b)^2 & ab \\ bc & ab & (a+c)^2 \end{vmatrix} = 2ab(a+b+c)^3$

Q.5 Find characteristic roots and characteristic vectors of the matrix $\begin{bmatrix} 6 & -2 & 2 \\ -2 & 3 & -1 \\ 2 & -1 & 3 \end{bmatrix}$.

e. **Course Name (Course Code): DIFFERENTIAL EQUATIONS AND FOURIER SERIES (MTH255B)**

Action taken for Slow Learners

1. Simple and Basic assignments have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
https://youtu.be/vqJuFD0GdJA

https://youtu.be/De-vi95YILE

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Action taken for Advanced Learners

1. Conceptual and competitive questions have been given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:

https://youtu.be/vqJuFD0GdJA

https://youtu.be/De-yi95YILE

Proof of Assignments

Instructions

MTH255B (DIFFERENTIAL EQUATIONS AND FOURIER SERIES)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)

Subject Name	DIFFERENTIAL EQUATIONS AND FOURIER SERIES			Subject Code	MTH255B
Faculty Name	Mr. ARUN KOCHAR	Date of Issue	15-Nov-2022	Date of Submission	25-Nov-2022

Q.1 Solve $y(2xy + 1)dx + x(1 + 2xy - y^3x^3)dy = 0$

Q.2 Solve $(x^2 D^2 + 7xD + 13)y = \log x$

Q.3 Solve $(D^2 - 2D +1) y = x\, e^x \sin x$

Q.4 Find Fourier series to represent f(x)=$x^2 - 2$, when $-2 \leq x \leq 2$

Q.5 Solve the differential equation $(D^2 +1) y = \tan x$, by method of variation of parameters.

Assignment: 02 (Advanced Learners)

Subject Name	DIFFERENTIAL EQUATIONS AND FOURIER SERIES			Subject Code	MTH255B
Faculty Name	Mr. ARUN KOCHAR	Date of Issue	15-Nov-2022	Date of Submission	25-Nov-2022

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Q.1 Find the Fourier series expansion of $f(x) = 2x - x^2$ in $(0,3)$ and hence deduce that
$\frac{1}{1^2} - \frac{1}{2^2} + \frac{1}{3^2} - \frac{1}{4^2} + \cdots \infty = \frac{\pi}{12}$.

Q.2 Solve $(D^4 - 1) y = (\cos x \cosh x)$.

Q.3 Find Fourier expansion of function $f(x) = |x|, -\pi < x < \pi$.

Q.4 Solve $(xy^3 + y)dx + 2(x^2y^2 + x + y^4)dy = 0$.

Q.5 Solve $(x^2 D^2 + 7xD + 13)y = \log x$.

6. **Faculty Name: Mr. Anmol Bajaj**

a. **Course Name (Course Code): Number Theory (MTH341)**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/nGfVTNfNwnk (One link contains the whole playlist).
3. Extra time 2:30pm to 3:30pm (Every Monday for clearing their doubts).

Action taken for Advanced Learners

1. Advanced Assignment given to them (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows: https://youtu.be/nGfVTNfNwnk(One link contains the whole playlist).

Proof of Assignments

Instructions

MTH341 (Mechanics II)	
Marks	Assignment
0 − 10	Assignment 1
11 − 25	Assignment 2

Assignment: 01 (Slow Learners)					
Subject Name	Mechanics I			Subject Code	MTH341
Faculty Name	Mr. Anmol Bajaj	Date of Issue	18-Nov-2022	Date of Submission	25-Nov-2022

1. If magnitude of one of the two forces acting on a particle be double than that of the order, and if θ be the angle between the resultant and greater force, show that θ≤π/6.

2. A, B and C are three points on a circle. Forces inversely proportional to AB and BC act along AB and BC respectively. Show that their resultant acts along the tangent to the circle at B.

3. Two strings of lengths 4m and 5m are fastened to a particle of weight Wkg, their ends being fastened to the points at same level 6m apart. Find tensions in the strings.

4. ABCD is a triangle with AB and BC of a and b units respectively. Forces of magnitude P,P act along AB and CD and forces of magnitude Q,Q act along AD and CB, where P>Q. Prove that the perpendicular distance between the resultant of forces P,Q at A and resultant of force P,Q at C is $(Pb-Qa)/\sqrt{(P^2+Q^2)}$.

Assignment: 02 (Advanced Learners)					
Subject Name	Mechanics I			Subject Code	MTH341
Faculty Name	Mr. Anmol Bajaj	Date of Issue	18-Nov-2022	Date of Submission	25-Nov-2022

(1) Two blocks W_1 and W_2, resting on two inclined planes, are connected by a horizontal bar AB, as shown in Fig. 8.5. If W_1 equals 1000 N, determine the maximum value of W_2 which the equilibrium can exist. The angle of limiting friction is 20^0 at all rubbing faces.
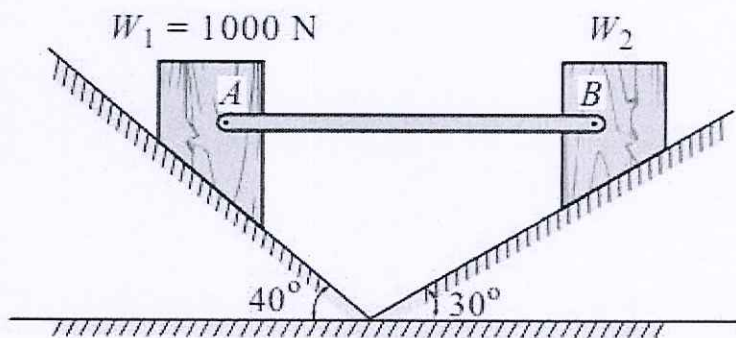
Fig. 8.5

Quest:02) A cupboard of 750 N weight is placed over an inclined plane with m =

0.20, as shown in Fig. 8.E31. Find the range of values of h where force P may be applied parallel to inclined plane to hold it in equilibrium.
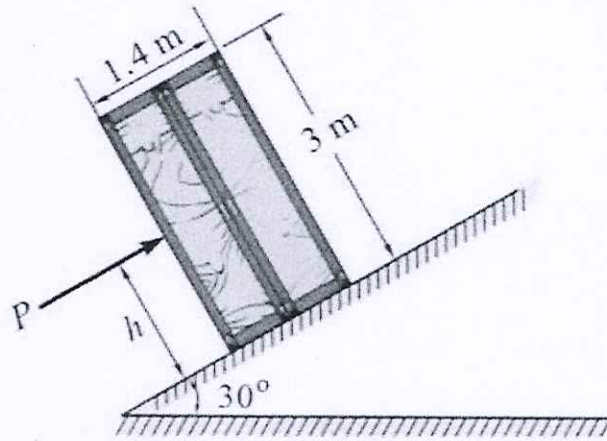
Fig. 8.E31

b. **Course Name: Group Theory II**   **(Course Code) : MTH322**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/o2wGOOc5HxY(One link contains the whole playlists).

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/o2wGOOc5HxY(One link contains the whole playlists)

Proof of Assignments

<u>**Instructions**</u>

MTH322(Group Theory II)	
Marks	Assignment
0 − 10	Assignment 1
11 − 25	Assignment 2

<table>
<tr><td colspan="6" align="center">**Assignment: 01** (Slow Learners)</td></tr>
<tr><td>**Subject Name**</td><td>Group Theory II</td><td colspan="2"></td><td>**Subject Code**</td><td>MTH322</td></tr>
<tr><td>**Faculty Name**</td><td>Mr. Anmol Bajaj</td><td>**Date of Issue**</td><td>26-Nov-2022</td><td>**Date of Submission**</td><td>02-Dec-2022</td></tr>
</table>

1. State and prove Fundamental theorem on Finite abelian group.

2. State and prove converse of Langrange theorem.

3. State and prove Sylow 3rd theorem.

<table>
<tr><td colspan="6" align="center">**Assignment: 02** (Advanced Learners)</td></tr>
<tr><td>**Subject Name**</td><td>Discrete Mathematical Structures</td><td colspan="2"></td><td>**Subject Code**</td><td>CSA517</td></tr>
<tr><td>**Faculty Name**</td><td>Dr. Vinod Kumar</td><td>**Date of Issue**</td><td>26-Nov-2022</td><td>**Date of Submission**</td><td>02-Dec-2022</td></tr>
</table>

Quest:01) State and prove the Cauchy Theorem for Finite abelian groups.

Quest:02) Prove that the group $(Z \oplus Z)/(\langle(2,2)\rangle)$ is generated by the two elements $(1,0) + \langle(2,2)\rangle$ and $(1,1) + \langle(2,2)\rangle$. That is, every element $of (Z \oplus Z)/(\langle(2,2)\rangle)$ can be written in the form $a(1,0) + \langle(2,2)\rangle + b(1,1) + \langle(2,2)\rangle$ where b = 0 or 1. To which external direct product of cyclic groups is $(Z \oplus Z)/(\langle(2,2)\rangle)$ isomorphic? To which external direct product of cyclic groups is $(Z \oplus Z)/(\langle(n,n)\rangle)$ isomorphic?

Quest:03) Explain why there cannot exist a group G such that [G : Z(G)] = 15.

c. **Course Name: Topology**   **Course Code : MTH661**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom).
2. Online lectures created by me whose links have been given so that they can study according to their suitable time and concern with me any time. Links are as follows: https://youtu.be/XHKcrs8YaSo

Action taken for Advanced Learners

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1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online lectures created by me whose links have been given so that they can study according to their suitable time and concern with me any time. Links are as follows: https://youtu.be/XHKcrs8YaSo

Proof of Assignments

Instructions

MTH661 (Topology)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)					
Subject Name	Topology			Subject Code	MTH661
Faculty Name	Mr. Anmol Bajaj	Date of Issue	26-Nov-2022	Date of Submission	02-Dec-2022

1. What is Topologist Sine curve?

2. Give two examples of connected spaces which are not path connected.

3. Give two examples of path connected spaces.

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Assignment: 02 (Advanced Learners)

Subject Name	Topology			Subject Code	MTH661
Faculty Name	Mr. Anmol Bajaj	Date of Issue	26-Nov-2022	Date of Submission	02-Dec-2022

(1) What is Infinite broom in topology?
(2) Give two examples of Discrete topological spaces.
(3) Give some examples of indiscrete topological spaces.

d. **Course Name: Differential Geometry**   **Course Code: MTH558**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom).
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/EVeOcL8as_k

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/EVeOcL8as_k

Proof of Assignments

Instructions

MTH558 (Differential Geometry)	
Marks	Assignment
$0-10$	Assignment 1
$11-25$	Assignment 2

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Assignment: 01 (Slow Learners)

Subject Name	Differential Geometry			Subject Code	MTH558
Faculty Name	Mr. Anmol Bajaj	Date of Issue	16-Nov-2022	Date of Submission	23-Nov-2022

Q1. Define Homeomorphism.

Q2. Define geodesic differential equation.

Q3. Define Flat curves.

Assignment: 02 (Advanced Learners)

Subject Name	Differential Geometry			Subject Code	MTH558
Faculty Name	Mr. Anmol Bajaj	Date of Issue	16-Nov-2022	Date of Submission	23-Nov-2022

Q1. Define Curvature and signed curvatures.

Q2. Derive Formula of curvature for space curves.

e. **Course Name: Elementary Mathematics**　　　　**Course Code: AGS118A**

Action taken for Slow Learners

1. Basic Assignment given to them as per their knowledge. (Assignment at the bottom).
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/0lzOAW8yMTc

Action taken for Advanced Learners

1. Advanced Assignment given to them. (Assignment at the bottom)
2. Online NPTEL video lectures are provided to them and whose links are as follows:
   https://youtu.be/0lzOAW8yMTc

Proof of Assignments

Instructions

AGS118A(Elementary Mathematics)	
Marks	Assignment
$0 - 10$	Assignment 1
$11 - 25$	Assignment 2

Assignment: 01 (Slow Learners)

Subject Name	Elementary Mathematics			Subject Code	AGS118A
Faculty Name	Mr. Anmol Bajaj	Date of Issue	16-Nov-2022	Date of Submission	23-Nov-2022

Q1. What is continuity?

Q2. What is differentiability?

Q3. Find derivative of $sinx + x^3$.

Assignment: 02 (Advanced Learners)

Subject Name	Elementary Mathematics			Subject Code	AGS118A
Faculty Name	Mr. Anmol Bajaj	Date of Issue	16-Nov-2022	Date of Submission	23-Nov-2022

Q1. What are application of derivative in daily life. Elaborate.

Q2. Find derivative of $\sqrt{a^2 - x^2}$.

7. **Faculty Name :** Ms. Anita Devgan

a. **Course Name (Course Code) : Riemann Integration and Series of Functions (MTH345)**

Action taken for Slow Learners
1. Work Sheets were provided to them and level was basic
2. Work Sheets were discussed in the class and students shared their solutions

Action taken for Advanced Learners
1. Work Sheets were provided to them and level was advanced
2. Work Sheets were discussed in the class and they were also guided by the classmates

Work Sheets

Work Sheet 1

Q. No.	Statement	Level
1	Find radius of convergence of power series $\sum(5 + 12i)z^n$	Advanced
2	Find radius of convergence and interval of convergence of $\sum_{n=2}^{\infty}(\frac{1}{logn})x^n$	Basic
3	Find radius of convergence of $\sum_{n=1}^{\infty}\frac{(n-1)!}{n^n}x^n$	Basic
4	Find radius of convergence and interval of convergence of $\sum\frac{(x-1)^n}{2^n}$	Advanced
5	Find radius of convergence and interval of convergence of $\sum\frac{(-1)^n}{n}(z-2i)^n$	Advanced

Work Sheet 2

Q. No.	Statement	Level
1	Identify the polynomial $\sum_{k=0}^{n}\binom{n}{k}x^k(1-x)^{n-k}f(\frac{k}{n}), n = 1,2,3, \ldots \ldots \ldots \ldots .. and\ x \in [0,1]$	Basic
2	Find the value of $\sum_{k=0}^{n}\binom{n}{k}x^k(1-x)^{n-k}$	Basic
3	Prove that $\sum_{k=0}^{n}\binom{n}{k}x^k(1-x)^{n-k}(k-nx)^2 = nx(1-x)$	Advanced

b. **Course Name (Course Code) : Algebra (MTH123A)**

Action taken for Slow Learners
1. Work Sheets were provided to them and level was basic
2. Work Sheets were discussed in the class and students shared their solutions
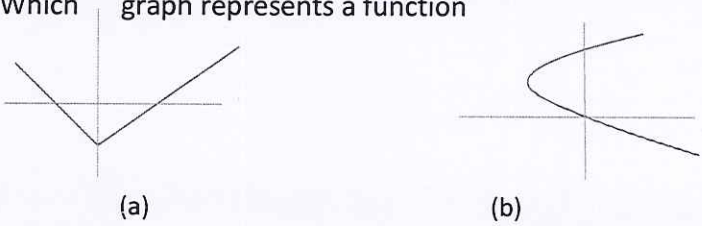
Action taken for Advanced Learners
1. Work Sheets were provided to them and level was advanced
2. Work Sheets were discussed in the class and they were also guided by the classmates

Work Sheets

Work Sheet 1

Q. No.	Statement	Level
1	The Cartesian product P x P has 9 elements among which are found (-2,0) and (0,2). What is the set P and the remaining elements of P x P	Basic
2	Which graph represents a function (a) (b)	Basic
3	R = { (x, y) / y < 3x + 1 } is a function ? Justify	Advanced
4	Given the relation R = { (6, 4), (8, -1), (x, 7), (-3, -6) }. Which of the following values for x will make relation R a function (a) 8 (b) 6 (c) -3 (d) 1	Advanced
5	If $f(x) = x^3 - (1/x^3)$ then what is the value of $f(x) + f(1/x)$	Basic
6	If $f(x) = ax^2 + b^2$ and f = { (1, 7), (2, 16), (3, 31) } then find values of a and b	Basic
7	If $f(x) = 5x - 2$, $g(x) = 2x - 3$ then find value of f(g(x))	Basic

Work Sheet 2

Q. No.	Statement	Level
1.	Similar matrices have same eigenvalues	Advanced
2.	An eigenvector can-not correspond to two distinct eigenvalues	Advanced

c. **Course Name (Course Code) : Ordinary Differential Equations (MTH663)**

Action taken for Slow Learners
1. Work Sheets were provided to them and level was basic
2. Work Sheets were discussed in the class and students shared their solutions

Action taken for Advanced Learners
1. Work Sheets were provided to them and level was advanced
2. Work Sheets were discussed in the class and they were also guided by the classmates

Work Sheet

Explain the following :
1. Picard's Method of Successive Approximations
2. Fundamental Set of Solutions
3. Fundamental Matrix
4. Orthogonality of functions
5. Sturm Liouville Boundary Value Problems
6. Green's Function for Boundary Value Problems
7. Power series solution of differential equation about an ordinary point
8. Methods to solve simultaneous differential equations

d. **Course Name (Course Code) : Engineering Mathematics (MTH151A)**

Action taken for Slow Learners
1. Work Sheets were provided to them and level was basic
2. Work Sheets were discussed in the class and students shared their solutions

Action taken for Advanced Learners
1. Work Sheets were provided to them and level was advanced
2. Work Sheets were discussed in the class and they were also guided by the classmates

Work Sheets

Work Sheet 1

Q. No.	Statement	Level
1	Solve $\frac{d^2y}{dx^2} + 2y = 0$	Basic
2	Solve $\frac{d^2y}{dx^2} + 2y = e^{3x}$	Basic
3	Solve $\frac{d^2y}{dx^2} + 2y = x^2$	Basic
4	Solve $\frac{d^2y}{dx^2} + 2y = e^x$	Basic
5	Solve $\frac{d^2y}{dx^2} + 2y = cos2x$	Basic
6	Solve $\frac{d^2y}{dx^2} + 2y = x^2 e^{3x}$	Advanced
7	Solve $\frac{d^2y}{dx^2} + 2y = e^x cos2x$	Advanced
8	Solve $\frac{d^2y}{dx^2} + 2y = x^2 e^{3x} + e^x cos2x$	Advanced

Work Sheet 2

Q. No.	Statement	Level
1	Solve $(D-2)^2 y = 0$	Basic
2	Solve $(D-2)^2 y = e^{2x}$	Basic
3	Solve $(D-2)^2 y = sin2x$	Basic
4	Solve $(D-2)^2 y = x^2$	Basic
5	Solve $(D-2)^2 y = e^{2x} + sin2x$	Advanced
6	Solve $(D-2)^2 y = e^{2x} + sin2x + x^2$	Advanced
7	Solve $(D-2)^2 y = 8(e^{2x} + sin2x + x^2)$	Advanced

Students giving presentation to the class mates

e. **Course Name (Course Code) : Numerical Methods/ Analysis (MTH256A / MTH551A)**

Action taken for Slow Learners
1. Work Sheets were provided to them and level was basic
2. Work Sheets were discussed in the class and students shared their solutions

Action taken for Advanced Learners
1. Work Sheets were provided to them and level was advanced
2. Work Sheets were discussed in the class and they were also guided by the classmates

Work Sheet

Write the formulas for the following Numerical Methods :
1. Bisection Method
2. Regula Falsi Method
3. Secant method
4. Newton Raphson Method
5. Iteration Method
6. Newton's Forward , Backward and divided difference
7. Gauss's Forward and Backward difference
8. Stirling and Bessel interpolation
9. Lagrange and Hermite interpolation
10. Trapezoidal, Simpson's 1/3, Simpson's 3/8, Boole's and Weddle's rule
11. Picard's Method , Taylor Series Method, Euler's Method and Runge - Kutta Method
12. Gauss elimination and Gauss Jordan Method
13. Jacobi and Gauss Seidal Method
14. Power Method

Department of Chemistry

Action Taken Report for Slow and Advanced Learners

1. **Faculty Name: Dr. Sapna Sethi**

   Course Code and Course name: CHE 385A and Instrumental Methods of Analysis

   Action taken for Slow Learners

   Assignments given on more challenging topics (Open-ended assignment)

   Extra classes taken

   Action taken for Advanced Learners

   Assignments given on more challenging topics (Open-ended assignment)

   Extra classes taken

   Course Code and Course name: CHE 510C and Spectroscopy-I

   Action taken for Slow Learners

   Assignments given on more challenging topics (Open-ended assignment)

   Action taken for Advanced Learners

   Assignments given on more challenging topics (Open-ended assignment)

2. **Faculty Name: Dr. Rekha Gaba**

   Course Code and Course name: CHE221A and Physical Chemistry -IV

   Action taken for Slow Learners

   The student has not come for extra classes.

   Action taken for Advanced Learners

   Assignment was given.

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3. **Faculty Name: Dr. Ahmad Husain**

Course Code and Course name:CHE315A and Inorganic Chemistry IV

Action taken for Slow Learners

Action taken for Advanced Learners

1. Assignment was given and received from students
2. Extra Lectures were conducted

Course Code and Course name:CHE613B and Supramolecular Chemistry

Action taken for Slow Learners

Action taken for Advanced Learners

1. Assignment was given and received from students
2. Extra Lectures were conducted

4. **Faculty Name: Dr Ankush Gupta**

Course Code and Course name: CHE117A and Physical Chemistry-II

Action taken for Slow Learners

Assignment was given and received from students

Action taken for Advanced Learners

Assignment was given and received from students

Faculty Name: Dr Ankush Gupta

Course Code and Course name: EDu168 and Physical Chemistry-I

Action taken for Slow Learners

Nil

Action taken for Advanced Learners

Assignment was given and received from students

5. Faculty Name: Dr Bandna Bharti

Course Code and Course name: CHE611B and Biophysical Chemistry

Action taken for Slow Learners

Extra classes were conducted

Action taken for Advanced Learners

Assignment was given and received from the students

Course Code and Course name: CHE381A and Green Chemistry

Action taken for Slow Learners

Nil

Action taken for Advanced Learners

Assignment was given and received from students

Course Code and Course name: CHE151A and Chemistry

Action taken for Slow Learners

Extra classes were conducted

Action taken for Advanced Learners

Project model was given.

6. Faculty Name: Dr Gagandeep Kaur

Course Code and Course name: CHE115A and Organic Chemistry I

Action taken for Slow Learners

Assignment was given and received from students

Action taken for Advanced Learners

Assignment was given and received from students

Course Code and Course name: CHE219A and Organic Chemistry III

Action taken for Slow Learners

Assignment was given and received from students

Action taken for Advanced Learners

Assignment was given and received from students

7. Faculty Name: Dr. Samriti Thakur

Course Code and Course name: CHE217 and Inorganic Chemistry -III

Action taken for Slow Learners

The student has not come for extra classes.

Action taken for Advanced Learners

Assignment was given along with extra classes.

Course Code and Course name: CHE624 and Electroanalytical Chemistry

Action taken for Slow Learners

Assignment was given along with extra classes.

Action taken for Advanced Learners

Assignment was given along with extra classes.

8. Faculty Name: Dr. Harminder Singh

Course Code and Course name: EDU 302 and Organic Chemistry -II

Action taken for Slow Learners

Assignment was given

Action taken for Advanced Learners

Assignment was given

Course Code and Course name: CHE 509B and Physical Chemistry -II

Action taken for Slow Learners

No slow learners in this course

Action taken for Advanced Learners

Assignment was given

Course Code and Course name: CHE 615B and Chemistry of Materials

Action taken for Slow Learners

No slow learners in this course

Action taken for Advanced Learners

Assignment was given

9. Faculty Name: Dr. Gurpreet Kaur and Prof. K. N. Kaul

Course Code and Course name CHE610B and Bioinorganic Chemistry

Action taken for Slow Learners

Assignment was given and received from students

Action taken for Advanced Learners

Assignment was given and received from students

Course Code and Course name CHE508B and Inorganic Chemistry-II

Action taken for Slow Learners

Assignment was given and received from students

Action taken for Advanced Learners

Assignment was given and received from students

Course Code and Course name EDU242 and Inorganic Chemistry-II

Action taken for Slow Learners

Assignment was given and received from students

Action taken for Advanced Learners

Assignment was given and received from students

10. Faculty Name: Dr. Nisha Devi

Course Code and Course name: CHE 157 and General Chemistry I

Action taken for Slow Learners

Assignments given and received from students

Extra classes taken

Action taken for Advanced Learners

Assignments given on more challenging topics

Extra classes taken

Course Code and Course name: CHE 257 and General Chemistry II

.**Action taken for Slow Learners**

Assignments given and received from students

Extra classes taken

Action taken for Advanced Learners

Assignments given on more challenging topics

Extra classes taken

Course Code and Course name: CHE 151A and Chemistry

Action taken for Slow Learners

Assignments given and received from students

Extra classes taken

Action taken for Advanced Learners

Assignments given on more challenging topics

Extra classes taken

11. Faculty Name: Dr. Ekta

Course Code and Course name: CHE609B and Organic Chemistry VI

Action taken for Slow Learners
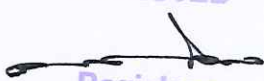
No slow learner

Action taken for Advanced Learners

Assignments given on more challenging topics

Extra classes taken

Course Code and Course name: CHE317A and Organic Chemistry V

Action taken for Slow Learners

No slow learner

Action taken for Advanced Learners

Assignments given on more challenging topics

Extra classes taken

Course Code and Course name: CHE507B and Organic Chemistry II

Action taken for Slow Learners

Assignments of important topics were to given

Extra classes were taken

Action taken for Advanced Learners

Assignments of advanced topics were given to students

Extra classes were taken

21

Session 2021-22   Semester 2   Advanced Inorg   Attendance Register

CLASS B.Sc H3M5 SUBJECT Chemistry Theory/Practical/Seminar...........

SECTION/GROUP/PAPER CHEM FROM.......... TO.......... DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		18	19	20	21	22	23	24	25	26	27
1		...leen Kaur																										
2		Anjali Thakur																										

26

ssion 2022-23   Semester Two   Advanced Inorg   Attendanc

ass M.Sc H3M SUBJECT Chemistry Theory/Practical/Seminar..........

ECTION/GROUP/PAPER CHE613B FROM.......... TO.......... DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		18	19	20	21	22
1		Das Manmeet Kaur																					
2		Apurva																					

54

Remedial classes

DAV UNIVERSIT

Session.....2022-2023..... Semester ....IV th.......

CLASS....M. Sc. (Hons.)... SUBJECT..Bio-Physical... Theory/Practical/Seminar...Theory

Chemistry

SECTION/GROUP/PAPER........A19A........ FROM.....April.... TO ....April... DAYS

Sr. No.	Roll No.	Name	24/3 03	31/3 27	28	4/4	5/4	6	7	8	9	10	11	12	13	14	15
1.	762	Lovish	P	P	P	P	P	P									

Remedial Classes

DAV UNIVERSITY

52

Session 2022-2023   Semester II nd

CLASS B.Tech CsA SUBJECT Chemistry ....Theory/Practical/Seminar.. Theory

SECTION/GROUP/PAPER.. B08A   FROM ...April... TO ...April...

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	12av70	Rohit	A	P	P	A	P	P								
2	105	Kailash kumar	P	A	P	P	P	P								
3	108	Akash singh	P	A	P	P	P	P								
4	148	Pratap singh	P	P	P	P	P	P								
5	164	Kachic sharma	P	P	P	P	P	P								
6	185	Salish kumar	P	P	P	P	P	P								
7	238	Baljit Kaur	P	P	A	A	P	P								
8	267	Abhish	P	A	P	P	P	P								
9	305	Ashish	P	A	P	P	P	P								
10	572	Sahib singh	P	P	P	P	P	P								
11	1084	Shivam	P	P	A	P	P	P								
12	1296	Arsh Rana	A	P	P	A	P	P								

Session 2022-23 Semester IV

CLASS M.Sc. Chem SUBJECT Electroanalytical Theory/Practical/Seminar
technique
SECTION/GROUP/PAPER FROM TO DAYS

Sr No	Roll No	Name	1	2	1/3	4	3	6	7	8	9	10	11	12	13	14
		Advanced learners														
1	11110146	Kriti Kapoor (9x2)			P	P	P	P	P							
2	11110135	Anamika Gupta (91%)			P	P	P	P	P							
		Slow learners														
	12110124	Nandini (18%)			P	P	P	P	P							

Session 2022-23   Semester IV

CLASS B.Sc. Chem   SUBJECT Inorganic Chem-III Theory/Practical/Seminar
(Hons)

SECTION/GROUP/PAPER   FROM   TO   DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		Advanced learners															
1	12100012	Daljit Kaur (96%)				P	P	P	P	P							
2	12100015	Rajneesh (96%)				P	P	P	P	P							
		Slow learners															
1	12100011	Tushar (28%)				A	A	A	A	A							

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Session 2022-23   Semester II

CLASS B.Sc. Life Sciences SUBJECT General Chem I   Theory/Practical/Seminar
                                              CHEM I

SECTION/GROUP/PAPER ....   FROM ....   TO ....

Sr. No.	Roll No.	Name	13/04/23	17/04/23	3	4	5	6	7	8	9	10	11	12	13
		Slow learners													
1.	1920008?	Aditi Pathania	P	P											
	213	Akanksha	P	P											
	483	Palak choudhary	P	P											
	1125	Shruti Thakur	P	P	2 Assignment not submitted										
	0811	Simranjeet kaur	P	P											
	0914	Manvi Sharma	P	P											
	1020	& Chahat Modgil	P	P											
	1052	Akshita sharma	P	P											
	1207	Siya Sharma	P	P											
	1224	Diya	P	P											
	1374	Abhay	P	P											
	1411	Yuvraj	P	P											
	0927	Tania	P	P											
	0258	Isha Arshdeep	P	P											
	0439	Arshdeep kaur	P	P											
	01189	Tejpal Singh	P	P											
	1920133?	Damini Guleria	P	P											
12	201360	Vipul sharma	P	P											
		Advanced Learners													
	1920192?	Lovepreet	P	P											

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Session... 2022-23 .... Semester ..... II ....

CLASS. B.Sc. Life Sciences. SUBJECT General Chem I CHE157 ... Theory/Practical/Seminar.

SECTION/GROUP/PAPER...................... FROM.................... TO .... DAY

Sr. No.	Roll No.	Name	17/3/23	18/04/23	3	4	5	6	7	8	9	10	11	12	13	14
		Slow learners														
	2200087	Aditi Pathania	P	P												
	213	Akanksha	P	P												
	423	Palak choudhary	P	P												
	1125	Shruti Thakur	P	P	Assignment Not Submitted.											
	0511	Simranjeet kaur	P	P												
	0914	Manvi Sharma	P	P												
	1020	S Chahal Modgil	P	P												
	1052	Akshita sharma	P	P												
	1207	Siya Sharma	P	P												
	1224	Diya	P	P												
	1274	Abhay	P	P												
	1411	Yuvraj	P	P												
	0927	Tanya	P	P												
	0258	Isha Arshdeep	P	P												
	0439	Arshdeep kaur	P	P												
	0189	Tejpal Singh	P	P												
	18201337 1220260	Damini Guleria	P	P												
	12201260	Vipul sharma	P	P												
		Advanced Learners.														
	19201926	Lovepreet	P	P												

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Session 2022-23 (2)   Semester II

CLASS B.Tech   SUBJECT CHE151A   Theory/Practical/Seminar

SECTION/GROUP/PAPER   FROM   TO

Sr. No.	Roll No.	Name	14 01	28	3	4	5	6	7	8	9	10	11	12	13
		Slow learners.													
	19200604	Bittu Kumar Soren	P	P											
	607	Amrit Singh	P	P											
	622	Amsinder Singh	P	P											
	681	Shivansh sharma	P	P											
	702	Anshul Thakur	P	P											
	703	Abhay Thakur	P	P											
	753	Himanshu Bhau	P	P											
	764	Shubham Rana	P	P											
	766	Utkarsh Dhiman	.	.											
	782	Karanvir	P	P											
	912	Aditya Thakur	P	P											
	1042	Abhinav	P	P											
	1165	Shahil kaushal	P	P											
	1286	Megtusha Jamwal	P	P											
	1994	Aryan Garg	P	P											
	1378	Shiv Nandan	P	P											
	1401	Ayush Bharti	P	P											
		Advanced learners.													
	19900431	Andhika													
	00788	Tania sharma													

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Session.....22232...... Semester .....4th......

CLASS....B.Tech CSE.... SUBJECT...Microprocessor & its Application... Theory/Practical/Seminar...Theory....
ECE 350

SECTION/GROUP/PAPER.....Slow learner... FROM..................... TO .... DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			3/4	10/4	17/4	18/4	24/4	25/4	1/5								
1	12100223	Deepak	1	X	2	X	X	X	X								
2	12100245	Simran	1	2	X	3	4	X	5								
3	12100453	Siddharth.	1	2	3	X	4	5	6								
4	12100576	Vishal	1	X	2	3	4	5	X								
5	12100639	Janvi	1	2	3	X	4	X	5								
6	12100810	Ansh thakur	1	X	2	3	X	4	X								
7	12100886	Muskan	1	2	3	X	4	X	5								
8	12101038	Ranveer.	1	X	2	X	3	4	5								
9	12101099	Sharanjeet Kaur	1	2	3	X	4	X	5								

Department of Commerce, Business Management and Economics
Action Taken Report for Slow and Advanced Learners

Faculty Name : Dr. Girish Taneja

a. **Course Name (Course Code) :** Integrated Marketing Communication – MGT625

Action taken for Slow Learners

1. Special sessions have been taken

2. Notes of the same has been shared

Action taken for Advanced Learners

1. Students advised to do the course from coursera.org

2. Applied assignments have been discussed during special sessions

Department of CBME
Term 23241
Action Taken Report for Advance and Slow Learners

Faculty Name: Ms. Simran Kaur
Course Name: Fundamentals of Financial Accounting
Course Code: CMR101

Action taken for Advance Learners:

* Students would be guided about the paper presentation and completion of paper on time.

* Students referred to books from author foreign authors for better insights about the topics.

Action taken for Slow Learners:

* Doubt clearing sessions in class would be conducted.

* Special attention would be given to weak students in the class.

Attendance:

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Bright Students																
	1230013	Ridhima	P	P	P													
	445	Anmolpreet	P	P	P													
	1216	Ankita	P	P	P													
	1257	Radhey	P	P	P													
	39	Harveer	P	P	P													
	216	Tamanna	P	P	P													
	855	Prabhleen	P	P	P													
	98	Gurspreet	P	P	P													
	179	Azampreet	P	P	P													
	204	Keshish	P	P	P													
	208	Ramanpreet	P	P	P													
	1372	Palakpreet	P	P	P													
		Weak Students																
	1230058	Dishan	P	P	P													
	173	Deepak	P	A	P													
	11	Chahat	A	P	A													
	1261	Krish	P	P	P													
	551	Anshtin	P	A	P													
	843	Khushwant	P	P	P													
	109	Abhishek	P	A	P													
	188	Sahil	A	A	P													
	316	Sukhjoban	A	A	A													
	1443	Komal	A	A	A													
	923	Gurvinder	A	A	A													

96   Term 23241   DAV UNIVERSITY

Session 2023-24   Semester I
CLASS B.com   SUBJECT Financial Acllg   Theory/Practical/Seminar Theory   fundamentals of
SECTION/GROUP/PAPER CS A, CSB   FROM   TO   DAYS

Action Taken Report for Advance and Slow Learners

Faculty Name: Ms. Simran Kaur
Course Name: Fundamentals of Management
Course Code: MGT151A

Action taken for Advance Learners:

* Students would be guided about the paper presentation and completion of paper on time.

* Students referred to books from author foreign authors for better insights about the topics.

Action taken for Slow Learners:

* Doubt clearing sessions in class would be conducted.

* Special attention would be given to weak students in the class.

Attendance:

Term - 23241

DAV UNIVERSIT

100
Session 23-24   Semester VII

CLASS B.Tech   SUBJECT Fundamentals of Management   Theory/Practical/Seminar Theory

SECTION/GROUP/PAPER H1eA, H1CA FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		Bright Students															
	12000234	Harkamal	p	p	p												
	40	Gunjot	p	p	p												
	69	Priya	p	P	p												
	76	Anstolup	P	p	p												
	332	Sagar	p	p	p												
	396	Jasmeen	p	p	p												
		Week Students															
	12000363	Inginder	p	p	p												
	330	Krishan	p	p	P												
	332	Vansh	P	P	P												

Action Taken Report for Advance and Slow Learners

Faculty Name: Ms. Simran Kaur
Course Name: Strategic Financial Management
Course Code: MGT624

Action taken for Advance Learners:

* Students would be guided about the paper presentation and completion of paper on time.

* Students referred to books from author foreign authors for better insights about the topics.

Action taken for Slow Learners:

* Doubt clearing sessions in class would be conducted.

* Special attention would be given to weak students in the class.

Attendance:

Term 23241

DAV UNIVERSI

98
Session 2023-24   Semester III

CLASS M.B.A   SUBJECT Strategic financial Management   Theory/Practical/Seminar Turong

SECTION/GROUP/PAPER A x B   FROM   TO   DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		Bright Students															
	12200058	Gurinder	P	P	P												
	340	Mahek	P	P	P												
	519	Varunjot	P	P	P												
	619	Babita	P	P	P												
	755	Tarunpreet	P	P	P												
	1182	Rajvir	P	P	P												
		Weak students															
	12200846	Diksha	P	A	P												
	1106	Abhishek	A	P	A												
	339	Nishant	A	A	A												

Department of CBME
Term 23242
Action Taken Report for Advance and Slow Learners

Faculty Name: Ms. Simran Kaur
Course Name: Advanced Financial Accounting
Course Code: CMR102

Action taken for Advance Learners:

* Students were given case studies related to the subject to gain deep insights about topics.

* Students were referred to books of other authors related to the subject.

Action taken for Slow Learners:

* Encouraging students to spend more time in the library.

* Special attention would be given to weak students in the class.

* Doubt clearing sessions would be conducted.

Attendance:

Action Taken Report for Advance and Slow Learners

Faculty Name: Ms. Simran Kaur
Course Name: Goods and Services Tax
Course Code: COM206B

Action taken for Advance Learners:

* Students would be guided about the paper presentation and completion of paper on time.

* Students referred to books from author foreign authors for better insights about the topics.

Action taken for Slow Learners:

* Doubt clearing sessions in class would be conducted.

* Special attention would be given to weak students in the class.

Attendance:

Term - 23342

DAV UNIVERSITY

106
Session 2023-24   Semester IV

CLASS B.com (H.R.)   SUBJECT G.S.T   Theory/Practical/Seminar Th

SECTION/GROUP/PAPER A.N.B   FROM   TO   DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	19	20
		Bright Students																	
	12200	Manjot	P	P	P														
	65	Mehak	P	P	P														
	127	Gaurang	P	P	P														
	223	Gritanshi	P	P	P														
	1081	Payal	P	P	P														
	294	Anu Bala	P	P	P														
	879	Chand	P	P	P														
	727	Sanskriti	P	P	P														
	832	Sneha	P	P	P														
	1080	Komal	P	A	P														
	1092	Ekta	P	P	A														
		Week Students																	
	364	Harjot	P	P	P														
	919	Simranjit	P	P	P														
	377	Parmanjot	A	P	P														
	443	Navjot	P	P	P														
	51	Malika	P	P	P														
	220	Shanaya	P	A	P														
	849	Kaushubh	A	P	P														
	315	Simran	P	P	P														
	524	Parit Inder	P	P	A														
	23	Kritika	P	P	P														
	777	Ashish	P	A	P														
	13	Ashu	A	A	A														

Action Taken Report for Advance and Slow Learners

Faculty Name: Ms. Simran Kaur
Course Name: Operations Research II
Course Code: COM302

Action taken for Advance Learners:

* Students were given case studies related to the subject to gain deep insights about topics.

* Students were referred to books of other authors related to the subject.

Action taken for Slow Learners:

* Encouraging students to spend more time in the library and prepare notes of all the topics.

* Doubt clearing sessions would be conducted.

* Special attention would be given to weak students in the class.

Attendance:

Term- 23242

104
Session. 2023-24   Semester VI
CLASS...B.com.(Hons)... SUBJECT.O.R. II ....Theory/Practical/Seminar. Theory
SECTION/GROUP/PAPER .... B .... FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	18	19
		Bright Students																	
	12100152	Satven	P	P	P														
	432	Aanchal	P	P	P														
	429	Lakshmi	P	P	P														
	505	Muskaan	P	P	P														
	817	Simranjit	P	P	P														
	467	Puldeepreet	P	P	P														
	473	Piya	P	P	P														
	500	Jatinder	P	P	P														
	853	Paiyanshu	P	P	P														
	1121	Aman	P	P	A														
	1206	Gurleen	P	P	P														
		Weak Students																	
	795	Harsh	A	A	A														
	824	Karan	A	P	A														
	897	Iranjit	P	A	A														
	572	Gurkaran	A	A	P														

DAV University, Jalandhar
Department of CBME

		Advanced Learners		
	Course Name	Basic Corporate Accounting	Course Code	COM314 SECTION A16A
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Ankita Singh	12000075	94	Good Performance
2	Puneet Sharma	12000296	94	Good Performance
3	Aishwarya	12000367	96	Good Performance

Action Agenda & Follow up action plan:

* Advanced notes have been shared

* Advanced practice tests have also been shared

		Slow Learners		
	Course Name	Basic Corporate Accounting	Course Code	COM314 SECTION A16A
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Vidisha Diggal	12000926	18	can perform better
2	Amandeep Kajal	12000744	32	can perform better
3	Sejal	12000918	34	can perform better
4	Parminder Singh	12000775	38	can perform better

Action Agenda & Follow up action plan:

* Tutorials have been taken

* Special sessions have been taken in order to solve their problems

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Department of CBME

	Advanced Learners			
	Course Name	Basic Corporate Accounting	Course Code	COM314 Section A16B
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Pratham Bhardwaj	12000398	88	Good Performance
2	Parul Arora	12000837	88	Good Performance
3	Arshdeep Singh	12000471	92	Good Performance
4	Harsimarpreet Kaur	12000414	98	Good Performance

Action Agenda & Follow up action plan:

  * Advanced notes have been shared

  * Advanced practice tests have also been shared

	Slow Learners			
	Course Name	Basic Corporate Accounting	Course Code	COM314 Section A16B
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Gaurav Kumar	12001433	18	can perform better
2	Nitish Kumar Yadav	12001036	22	can perform better
3	Sanskar Kumar	12001034	28	can perform better
4	Karandeep Singh	12000917	30	can perform better

Action Agenda & Follow up action plan:

  * Tutorials have been taken

  * Special sessions have been taken in order to solve their problems

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Session 2022-2023

DAV UNIVERSITY JAL

Semester 5th sem

CLASS BBA- 5th

SUBJECT Basic Corporate Accounting ✓ Theory/Practical/Seminar

SECTION/GROUP/PAPER H16A & H16B FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	Oct Nov 28	Nov 2	3 19	4 18	5 29	6	7	8	9	10	11	12	13	14	15	16
		ADVANCED LEARNERS																
1.	12000398	Pratham Bhardwaj	P	P	P	P	P											
2.	837	Parul Arora	P	P	P	P	P											
3.	471	Arshdeep Singh	P	P	P	P	P											
4.	414	Harsimarpreet Kaur	P	P	P	P	P											
5.	75	Ankita Singh	P	P	P	P	P											
6.	296	Puneet Sharma	P	P	P	P	P											
7.	367	Aishwarya																	
		SLOW LEARNERS	Oct Nov 29	Nov 4	12	22	Dec 5											
1.	12000926	Vidisha Diggal	P	P	P	A	P											
2.	744	Amandeep Kajal	P	P	P	P	P											
3.	918	Sejal	P	P	P	P	P											
4.	775	Parminder Singh	P	A	P	P	P											
5.	917	Karandeep Singh	P	P	A	P	P											
6.	1034	Sanskar Kumar	P	P	P	P	P											
7.	1036	Nitish Kumar	P	P	P	P	P											
8.	1433	Gaurav Kumar	P	P	P	P	A											

DAV University, Jalandhar
Department of CBME

Bright/Weak students list & plan of activities and impact analysis report

Class/ Semester: B. Sc Eco
Course with Code: Operation Research (ECO310)

Advanced Learners

Name of Student	Roll No	Percentage of marks	Remarks
Megha	12000250	98	Good Performance

Action Agenda & Follow up action plan:

* Advanced notes have been shared

* Advanced practice tests have also been shared

Slow Learners

Name of Student	Roll No	Percentage of marks	Remarks
Taranpreet	12000144	24	Can perform better

Action Agenda & Follow up action plan:

* Special sessions in the class have been taken in order to solve their problems

* Some simple practice questions have been given

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ECO 310

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Session 2022-2023   Semester 6th

CLASS B.Sc. Eco   SUBJECT Operation Research ✓ Theory/Practical/Seminar

SECTION/GROUP/PAPER M31A   FROM   TO   DAYS

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		ADVANCED LEARNERS	March 27	April 4	18	24	May 1										
1.	12000250	Megha	P	P	P	P	P										
		SLOW LEARNERS	March 24	31	April 7	21	27										
1.	12000144	Taranpreet	A	P	P	P	P										

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Department of CBME

	Advanced Learners			
	Course Name	Management Accounting - 1	Course Code	COM305
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Kajal Saraswat	12000100	90	Good Performance
2	Ramanpreet Kaur	12000166	90	Good Performance
3	Akhil Chandel	12000758	94	Good Performance
4	Mani Kumari	12000209	96	Good Performance
5	Deepak	12000286	96	Good Performance

Action Agenda & Follow up action plan:

* Advanced notes have been shared

* Advanced practice tests have also been shared

	Slow Learners			
	Course Name	Management Accounting – 1	Course Code	COM305
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Prince Grover	12000212	8	can perform better
2	Gorish Behl	12000228	22	can perform better
3	Aman Bains	12000990	28	can perform better
4	Sanket Kumar	12000859	30	can perform better

Action Agenda & Follow up action plan:

* Tutorials have been taken

* Special sessions have been taken in order to solve their problems

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Session 2022-2023   Semester SP6

CLASS B.Com (H)   SUBJECT Management   Theory/Practical/Seminar ✓

SECTION/GROUP/PAPER 1111A   Atomy - I   FROM   TO   DAYS

Sr. No.	Roll No.	Name	Oct/Nov 28 1	2	3	4	5 27	6	7	8	9	10	11	12	13	14	15	16
		ADVANCED LEARNERS																
1.	12000000	Sajal	P	P	P	P	P											
2.	141	Simranjeet	P	P	P	P	P											
3.	755	Akhil	P	P	P	P	P											
4.	209	Mani	P	P	P	P	P											
5.	255	Deepak	P	P	P	P	P											
		SLOW LEARNERS	Oct 31	Nov 4	11	25	Dec 1											
1.	12000212	Prince Grover	P	P	A	P	A											
2.	228	Gaaish Behl	P	P	P	P	P											
3.	990	Aman Bains	P	P	A	P	P											
4.	859	Sanket Kumar	P	P	P	P	P											

Department of Commerce, Business Management and Economics

Action Taken Report for Slow and Advanced Learners

1. **Faculty Name- Dr. Balpreet Kaur**

a. **Course Name (Course Code) MGT353**

   Action taken for Slow Learners

   1. Special attention was given to the student in the class to clear the doubts.

   Action taken for Advanced Learners

   1. Students are exposed to hands-on experience of advance tools and techniques of digital marketing like Pay Per Click advertising, Digital Display Advertising, email marketing, etc.
   2. These students have been initiated for becoming ontrepreneurs.

b. **Course Name (Course Code) ECO101**

   Action taken for Slow Learners
   1. Special attention was given to weak students in the class to clear their doubts.
   2. For sake of practice, they were motivated to draw diagrams on the board in my presence.

   Action taken for Advanced Learners
   1. Real economic situations were assigned to students to work upon.
   2. Students were motivated to work hard to score high in ESE also.

c. **Course Name (Course Code) MGT151A**

   Action taken for Slow Learners
   1. Special attention was given to weak students in the class to clear their doubts.
   2. For boosting the confidence of weak students, they were invited for playing management games to learn management concepts in a better manner.

   Action taken for Advanced Learners
   1. Students were motivated to work hard to maintain their performance.
   2. Role-playing activities were performed in the classroom.

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Session.. 2022-23   Semester 1st

CLASS... BCA   SUBJECT.. Fundamentals of..Theory/Practical/Seminar.. Theory
  Management

SECTION/GROUP/PAPER.. B15A & B15B. FROM............. TO .... DAYS

Sr. No.	Roll No.	Name	27/10	3/11	13 19/11	14 1/12	5	6	7	8	9	10	11	12	13	14	15
		Advance Learners															
1	1220o241	Gurbirat kaur	P	A	A	P											
2	902	Mehak	P	P	A	A											
		Slow Learners															
			27/10	3/11	19/11	1/12											
1	1220o212	Ayush	P	P	A	P											
2	455	Brijesh Kumar	A	P	A	P											
3	039	Gurpreet Singh	A	A	A	A											
4	205	Lalit	P	A	P	P											
5	386	Rohit	P	P	A	P											
6	091	Sanjit Kumar	A	A	A	A											
7	448	Krish Sharma	P	P	A	P											
8	022	Pawandeep Singh	P	P	A	P											
9	633	Lovepreet	P	P	P	P											
10	126	Manu	P	P	P	P											
11	317	Tarbaran	A	P	P	P											
12	175	Aditya Raina	A	P	P	P											
13	357	Prince Keshav	P	A	P	P											
14	288	Kamalpreet Singh	P	P	P	P											
15	402	Balbeer Singh	A	P	P	P											
16	016	Lil Bahadur Somai	P	P	P	P											
17	061	Aryan Singh	P	P	P	P											
18	121	Amandeep Singh	P	A	P	P											
19	174	Komal	P	P	P	P											
20	429	Avdhesh	P	P	P	P											
21	457	Bhawanpreet	P	P	P	P											
22	135	Jasmeet Singh	P	P	A	P											
23	170	Harjot Singh	P	P	P	P											
24	414	Vikram Singh	A	P	P	P											
25	161	Dilpreet Singh	P	P	P	P											
26	385	Anubhav Bali	P	P	P	P											
27	625	Himanshu	A	P	A	P											

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Session 2022-23   Semester 1st

CLASS BCA   SUBJECT Fundamentals of Management   Theory/Practical/Seminar Theory

SECTION/GROUP/PAPER B15A & B15B   FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	27/6	3/11	15/11	7/12	5	6	7	8	9	10	11	12	13	14	15
28	424	Ankur	P	P	P	P											
29	935	Monsar	P	P	P	A											
30	947	Krishna Gautam	A	A	A	A											
31	983	Gurbaran Singh	A	A	A	A											
32	1059	Dhruv Kumar	A	P	A	P											
33	1102	Karanveer Shota	A	A	P	P											
34	1140	Manpreet Mall	A	A	A	A											
35	1289	Simran Sandhu	P	P	P	P											
36	1363	Anibet Bhatia	P	P	P	A											
37	1040	Vikram	P	P	P	A											
38	819	Yuvraj Singh	A	A	P	P											
39	1175	Anshul Singh Thakur	A	A	A	A											
40	741	Hariom Sharma	P	P	P	P											
41	980	Abhay Rana	P	P	P	P											
42	1095	Manpreet Singh	A	P	P	P											
43	917	Ashish Thakur	A	P	P	P											
44	467	Sonu Kumar	A	A	P	P											
45	828	Harihib Singh	P	P	P	A											
46	1038	Manraj	P	P	DL	P											
47	504	Chirag Sharma	A	P	A	A											
48	505	Nishant Chodha	A	P	A	A											
49	839	Khushpreet Kaur	A	P	P	P											
50	1173	Kulwinder Singh	P	P	P	P											
51	495	Yuvraj Singh	A	A	P	P											
52	600	Tarun Sharma	A	P	P	P											
53	719	Harmandeep	P	P	P	P											
54	748	Nitish Manhas	A	P	P	P											
55	797	Achintay Narayan Bedi	A	P	A	P											
56	1004	Renu	P	P	P	P											
57	1083	Harsh Raj Anand	A	P	P	P											
58	1221	Pritho Sharma	P	P	P	P											
59	545	Samian	A	A	A	P											

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Session... 2022-23 Semester... 1st Theory/Practical/Seminar... Theory

CLASS... BCA SUBJECT... Fundamentals of Management

SECTION/GROUP/PAPER... B15A & B15B FROM... TO...

Sr. No.	Roll No.	Name	27/10	2 3/11	3 15/11	A 1/12	5	6	7	8	9	10	11	12	13	14	18	19	20
			P	P	P	P													
60	568	Neha	P	P	P	P													
61	890	Yash Pathania	A	P	P	P													
62	1369	Sahil Kumar	P	P	P	A													
63	704	Harjap Singh Dhillon	P	A	P	A													
64	750	Anmol Singh	A	P	P	P													
65	1288	Gurbirpal Singh	P	A	P	A													
66	700	Pankaj Kumar	A	A	P	P													
67	1014	Dipanshu Singh	P	P	P	P													
68	1375	Anshika Sharma	P	P	P	P													
69	569	Ntiba	P	P	P	P													
70	972	Gurleen Kaur	A	A	P	P													
71	1124	Sulabh Sethi	-	P	A	A													
72	1436	Amit Kumar	P	P	P	P													
73	549	Anmol Thakur	P	P	A	P													
74	576	Abhi Bhagat	P	P	A	P													
75	707	Jasbaranpreet Singh	P	P	P	P													
76	722	Arya Bhardwaj	P	P	A	A													
77	516	Gurtejpal Singh	P	P	P	P													
78	1005	Megna Rani																		

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Department of Commerce, Business Management and Economics

Action Taken Report for Slow and Advanced Learners

1. **Faculty Name- Dr. Balpreet Kaur**

a. **Course Name (Course Code) ECO104**

Action taken for Slow Learners

1. Special attention was given to the student in the class to clear the doubts.

2. Doubt clearing sessions were conducted for weak students.

Action taken for Advanced Learners

1. Student were motivated to work hard to maintain the performance.

2. Advance topics or practical problems were given to study.

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S Session 2022-23   Semester 2nd

C CLASS BBA   SUBJECT Business Statistics Theory/Practical/Seminar Theory

S SECTION/GROUP/PAPER B14A & B14B FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	1 25/4	2 29/4	3 2/5	4	5	6	7	8	9	10	11	12	13	14	15
		ADVANCE LEARNERS															
	1220063	Anshu Saini	P	P	P												
	416	Komal Manhas	P	P	P												
	167	Saanvi Anand	P	A	P												
	298	Shevya Sharma	P	A	P												
	00007	Kajal Bhargaw	P	P	P												
	123	Riya Garg	P	P	P												
	539	Sandeep Singh	P	P	P												
	595	Ritiba Rani	P	P	P												
	644	Khushi Randhawa	P	P	P												
	620	Palwinder Kaur	P	P	P												
	690	Khushboo	P	P	A												
	668	Samriti	P	P	P												
	915	Varnika Sood	P	P	P												

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Session..2022-23...... Semester ...2nd...............

CLASS....BBA............. SUBJECT....Business...Statistics Theory/Practical/Seminar...Theory......

SECTION/GROUP/PAPER...B14A & B14B.. FROM.................... TO .... DAYS ......

Sr. No.	Roll No.	Name	1 7/4	2 11/4	3 18/4	4 21/4	5	6	7	8	9	10	11	12	13	14	15	16
		SLOW LEARNERS																
	12800393	Nikhil Sandhi	P	A	P	A												
	962	Falit Kapoor	A	A	A	A												
	930	Dhiraj Dadwal	P	P	P	A												
	012	Keshav Mishra	P	A	A	A												
	466	Sushant Sharma	P	P	P	A												
	471	Ansh Singh	A	P	P	A												
	271	Amandeep	P	P	P	P												
	239	Harshwardhan	P	A	P	A												
	044	Surjeya Singh Bakshi	P	P	P	P												
	543	Harsimran Singh	P	P	A	A												
→	581	Amanya Gupta	P	P	P	P												
	898	Abhay Dogra	P	A	A	A												
	163	Kunal Saili	A	A	A	A												
	1440	Tejbir Singh	A	A	A	A												
	328	Sumit Morya	P	A	P	P												
	778	Harmandeep Kaur	A	P	P	P												
	1450	Guntash Kaur	A	P	A	P												
	400	Riya Bhardwaj	P	A	A	P												
	1135	Vishav Jaggi	A	A	A	A												
	697	Vamandeep Kaur	A	A	P	P												
	1409	Ritiba	A	A	P	P												
	1394	Abhishek Kumar Yadav	P	P	P	P												
	458	Ritik Paan	P	A	A	P												

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Department of Commerce, Business Management and Economics

Action Taken Report for Slow and Advanced Learners

1. **Faculty Name- Dr. Balpreet Kaur**

a. **Course Name (Course Code) MGT353**

   Action taken for Slow Learners

   1. Special attention was given to the student in the class to clear the doubts.

   Action taken for Advanced Learners

   1. Students are exposed to hands-on experience of advance tools and techniques of digital marketing like Pay Per Click advertising, Digital Display Advertising, email marketing, etc.
   2. These students have been initiated for becoming ontrepreneurs.

b. **Course Name (Course Code) ECO101**

   Action taken for Slow Learners
   1. Special attention was given to weak students in the class to clear their doubts.
   2. For sake of practice, they were motivated to draw diagrams on the board in my presence.

   Action taken for Advanced Learners
   1. Real economic situations were assigned to students to work upon.
   2. Students were motivated to work hard to score high in ESE also.

c. **Course Name (Course Code) MGT151A**

   Action taken for Slow Learners
   1. Special attention was given to weak students in the class to clear their doubts.
   2. For boosting the confidence of weak students, they were invited for playing management games to learn management concepts in a better manner.

   Action taken for Advanced Learners
   1. Students were motivated to work hard to maintain their performance.
   2. Role-playing activities were performed in the classroom.

DAV UNIVERSIT

Session... 2022-23 .... Semester ... 1st ....

CLASS..... BBA .... SUBJECT... Micro Economics .Theory/Practical/Seminar... Theory ...

SECTION/GROUP/PAPER.... B14A & B14B. FROM..................... TO .... DAYS

Sr. No.	Roll No.	Name	27/11	4/11	11/11	24/11	25/12	6	7	8	9	10	11	12	13	14	15
		Advance Learners															
1.	1220002	Pritibajeet Kaur	P	P	P	P	P										
2.	167	Saanvi Anand	P	P	A	P	P										
3.	196	Prabhleen	P	P	A	P	P										
4.	430	Vasu Thabur	P	P	A	P	A										
5.	915	Varniba Sood	P	P	P	P	P										
6.	620	Palwinder Kaur	P	P	P	P	P										
7.	668	Samiti	P	P	P	P	P										

Sr. No.	Roll No.	Name	28/10	29/10	16/11	18/11	25/11	6	7	8	9	10	11	12	13	14	15
		Slow Learners															
1	471	Ansh Singh	P	P	P	P	P										
2.	511	Navjet Singh	A	A	A	A	A										
3.	956	Anbit Hansa	P	P	P	A	P										
4.	737	Vibas Thabur	P	P	P	P	P										
5.	930	Dhiraj Dadwal	P	P	P	A	A										
6.	1201174	Amritpal Singh	A	P	P	P	P										
7.	012	Keshav Mishra	A	A	A	A	A										
8.	104	Gunjan	P	P	P	P	P										
9	026	Harmeet Singh	A	P	P	P	P										
10	466	Sushant Sharma	A	A	P	P	P										
11	742	Amisha	P	P	P	A	P										
12	393	Nikhil Sandhu	P	A	A	P	A										
13	581	Annanya Gupta	P	A	P	P	P										
14	962	Palit Kapoor	A	A	P	A	P										
15	361	Kashish Behal	P	P	P	P	P										
16	543	Harsimran Singh	P	P	P	P	P										
17	896	Kajal	A	A	P	P	P										
18	168	Manpreet Kaur	P	P	A	P	P										
19	239	Harshwardhan	A	A	A	P	A										
20	072	Nirmal Kumar	A	P	P	A	P										

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Session 2022-23 Semester 1 Theory/Practical/Seminar... Theory

CLASS BBA SUBJECT Micro Economics

SECTION/GROUP/PAPER B14A & B14B FROM.......... TO .... DAYS

Sr. No.	Roll No.	Name	28/10	29/10	18/11	19/11	25/11	6	7	8	9	10	11	12	13	14
		Slow Learners	P	P	P	P	P									
21	044	Surieya Singh Babshi	P	P	P	P	A									
22	166	Sharnjit Kaur	A	P	P	P	P									
23	242	Mandeep Singh Choudhary	P	P	P	A	P									
24	527	Mohd Umar	A	A	A	A	P									
25	688	Harjot Singh	-	-	P	A	A									
26	1456	Raghav	A	A	A	A	P									
27	898	Abhay Dogra	A	P	A	A	P									
28	163	Kunal Saili	P	P	A	A	A									
29	562	Rohit	P	A	P	A	A									
30	323	Ramanjot Singh	A	A	A	P	P									
31	1440	Tejbir Singh	P	A	A	P	P									
32	584	Akash Kumar	P	P	P	A	P									
33	1228	Ravi	A	P	P	A	P									
34	1281	Raghunandan Pandey	P	P	P	P	P									
35	1091	Prabhjeet	A	P	P	P	P									
36	1295	Karandeep Singh	A	P	A	A	A									
37	1295	Navbasan Singh	-	-	P	A	A									
38	1450	Gunjash Kaur	A	P	P	P	P									
39	216	Tarun Kumar	P	P	P	A	P									
40	311	Jaspreet Singh	P	P	A	P	P									
41	328	Sumit Morya	A	P	P	P	P									
42	1362	Amritpal Singh	P	P	A	P	P									
43	910	Sumit Barwal	-	-	A	A	P									
44	1441	Anish Dadwal	P	P	A	P	P									
45	458	Ritik Pran	P	P	A	P	A									
46	632	Aman Kumar Vedwal	A	A	P	A	A									
47	1205	Anish Kumar	P	P	P	P	P									
48	1265	Aniba Rana	P	P	P	A	P									
49	1394	Abhishek Kumar Yadav	A	P	P	P	P									
50	074	Alleena	P	P	P	P	A									
51	218	Satuti	P	A	A	P	P									
52	464	Jasdeep Singh	P	A	A	P	P									

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Session...2022-23............ Semester ...1st............

CLASS....BBA............ SUBJECT...Micro Economics...Theory/Practical/Seminar..Theory

SECTION/GROUP/PAPER...B14A & B14B...FROM...................TO .... DAYS

Sr. No.	Roll No.	Name	28/12	29/12	16/1	19/1	5/4	6	7	8	9	10	11	12	13	14	15
		Slow Learners															
53	697	Vamandeep Kaur	P	P	P	A	P										
54	1385	Subhmanpreet Singh	A	P	A	A	P										

Contd. Page

Advanced Learner

04

Session 2022-23   Semester II

CLASS M.COM   SUBJECT Fin: Stat Analysis /Practical/Seminar

SECTION/GROUP/PAPER .... FROM .... TO ....

Sr. No.	Roll No.	Name	T	WL	3	4	5	6	7	8	9	10	11	1
	77	Khushi	P	P										
	542	Amanpreet Kaur	•	P										
	272	Nishtha Behl	•	P										
	803	Vishakha Devi	P	P										

Department of CBME

Action Taken Report for Slow and Advanced Learners

1. **Faculty Name. Dr Ashutosh Gupta**

a. **Course Name Financial Management II**

Action taken for Slow Learners
1. Students were provided with extra reading materials.
2. Special attention has been given during the class.
3. Provided extra time for doubt clearing as per their demand.

Action taken for Advanced Learners
1. Suggesting advance level books for better understanding.
2. Guided Students about MOOC courses/Research related activities/Teaching Advanced concepts etc
3. Students were provided data of companies for analysis purpose.

b. **Course Name: Financial Management**

Action taken for Slow Learners
1. Guided Students about MOOC courses/Research related activities/Teaching Advanced concepts etc
2. Special attention has been given during the class.
3. Provided extra time for doubt clearing as per their demand.

Action taken for Advanced Learners
1. Discussing the real time data of companies related to accounting practices.
2. Suggesting advance level books for better understanding.

c. **Course Name: Financial Statement Analysis**

Action taken for Slow Learners (No student under this category)

Action taken for Advanced Learners (only one student)
1. Suggesting the other sources for understanding of the topics for practical application.
2. Discussion on the contemporary issues related to subjects.
3. Guided Students about MOOC courses/Research related activities/Teaching Advanced concepts etc.

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Department of CBME

		Advanced Learners		COM209 SECTION A15A
	Course Name	Cost and Management Accounting	Course Code	
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Khushi Arora	12100761	94	Good Performance
2	Navjot	12100468	96	Good Performance
3	Johnpal	12100157	98	Good Performance

Action Agenda & Follow up action plan:

* Advanced notes have been shared

* Advanced practice tests have also been shared

		Slow Learners		COM209 SECTION A15A
	Course Name	Cost and Management Accounting	Course Code	
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Retika	12100137	0	Need hard work
2	Kartik Jain	12100947	4	can perform better
3	Akashdeep	12100135	8	can perform better
4	Taranjit Singh	12101123	14	can perform better
5	Neeraj Kumar Marwaha	12100115	16	can perform better
6	Kumar Aniket	12100043	24	can perform better
7	Abhishek Minhas	12100877	24	can perform better
8	Gursimran Kaur	12100486	26	can perform better
9	Amarjeet Singh	12100332	28	can perform better
10	Pratham	12100260	32	can perform better
11	Paras Kapoor	12100533	32	can perform better
12	Aaditya Arora	12100352	34	can perform better
13	Pankaj Dadhwal	12100007	38	can perform better
14	Dolcy Gupta	12100193	38	can perform better
15	Pranshu Ratti	12100792	38	can perform better

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Action Agenda & Follow up action plan:

* Tutorials have been taken

* Special sessions have been taken in order to solve their problems

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Department of CBME

	Advanced Learners			
	Course Name	Cost and Management Accounting	Course Code	COM209 SECTION A15B
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Jaspreet Kaur	12100385	82	Good Performance
2	Gia Jamwal	12100594	88	Good Performance
3	Inderdeep Kaur	12101268	94	Good Performance

Action Agenda & Follow up action plan:

* Advanced notes have been shared

* Advanced practice tests have also been shared

	Slow Learners			
	Course Name	Cost and Management Accounting	Course Code	COM209 SECTION A15B
S.No.	Name of Student	Registration No.	Percentage of marks	Remarks
1	Harmanjot Singh	12101052	6	Need hard work
2	Balkaran Singh	12101005	14	can perform better
3	Parminder Singh Shahi	12101018	14	can perform better
4	Pranav Jain	12100743	16	can perform better
5	Arsh	12100405	20	can perform better
6	Ritwick Mishra	12100371	22	can perform better
7	Taksh Pathania	12101470	26	can perform better
8	Jaismeen Kaur	12100367	32	can perform better
9	Saurav Chaudhary	12100836	32	can perform better
10	Indresh Blagan	12100975	32	can perform better
11	Simranjit Kaur	12100999	38	can perform better

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Action Agenda & Follow up action plan:

* Tutorials have been taken

* Special sessions have been taken in order to solve their problems

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Session 2022-2023 Semester 3rd

CLASS BBA-3rd SUBJECT Cost & Management Along Theory/Practical/Seminar ✓

SECTION/GROUP/PAPER A15A & A15B FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	Nov 1 3	2 16	3 24	4 29	Oct 5	6	7	8	9	10	11	12	13	14	15
		ADVANCED LEARNERS															
1.	12100761	Khushi Arora	P	P	P	P	P										
2.	468	Navjot	P	P	P	P	P										
3.	157	Dolinpal	P	P	P	P	P										
4.	385	Jaspreet Kaur	P	P	P	P	P										
5.	594	Gia Jamwal	P	P	P	P	P										
6.	1268	Inderdeep Kaur	P	P	P	P	P										

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Attenda

Session 2022-2023   Semester 3rd

CLASS BBA - 3rd   SUBJECT Cost & Management Theory/Practical/Seminar

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SECTION/GROUP/PAPER A15A / A15B   FROM .... TO .... DAYS

Sr. No.	Roll No.	Name	1 20	2 9	3 10	4 23	5 29	6	7	8	9	10	11	12	13	14	15	16	18	19	20
		SLOW LEARNERS																			
1.	12100137	Retika	P	A	P	P	P														
2.	947	Kartik Jain	P	P	P	P	P														
3.	135	Akashdeep	P	P	P	P	P														
4.	1123	Talanjit	P	A	P	P	A														
5.	115	Neeraj Kumar	P	P	A	P	P														
6.	043	Kumar Aniket	P	P	P	P	P														
7.	877	Abhishek Minhas	P	P	P	P	P														
8.	486	Gursimran Kaur	P	P	P	P	P														
9.	332	Amarjeet Singh	P	P	A	P	P														
10.	260	Pratham	P	P	A	P	P														
11.	533	Paras Kapoor	P	P	P	A	P														
12.	352	Aaditya Arora	P	P	P	P	P														
13.	007	Pankaj Dadhwal	P	P	A	P	P														
14.	193	Dolcy Gupta	P	P	A	P	P														
15.	792	Prabhu Ratti	P	P	P	A	P														
16.	1052	Harmanjot Singh	P	P	P	A	A														
17.	1005	Balkaran Singh	P	P	P	P	P														
18.	1018	Parminder Singh	P	P	P	P	P														
19.	743	Paranav Jain	P	P	P	P	P														
20.	405	Alsh	P	P	A	A	P														
21.	371	Ritwick	P	P	P	P	P														
22.	1470	Talash	P	P	P	P	P														
23.	367	Jaismeen	P	P	P	P	P														
24.	836	Saurav	P	P	P	P	P														
25.	975	Indresh	P	P	P	P	P														
26.	999	Simranjit Kaur	P	P	A	P	P														

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ADVANCE & SLOW LEARNERS-MGT101

Advanced Learners

	Advanced Learners: B.Com(H)-I (A)			
	Course Name	Principles & practices of Management	**Course Code**	MGT101
S.No.	**Name of Student**	**Registration No.**	**Percentage of marks**	**Remarks**
1	GAURANG AGGARWAL	12200127	86	Good Performance
2	KOMAL THAKUR	12201080	84	Good Performance
3	EKTA ARORA	12201093	80	Good Performance

Action taken for Advanced Learners
1. New topics shared with them to explore new areas in the field of management.

Slow Learners

	Slow Learners: B. Com(H)-I (A)			
	Course Name	Principles & practices of Management	**Course Code**	MGT101
S.No.	**Name of Student**	**Registration No.**	**Percentage of marks**	**Remarks**
1	MANJIT KAUR	12200068	4	Need a lot of Improvement
2	SURINA GHOTRA	12200608	4	Need a lot of Improvement
3	SIMRANJIT	12200969	4	Need a lot of Improvement
4	ANIKET DWIVEDI	12201147	4	Need a lot of Improvement
5	JASVEEN KAUR	12200048	8	Need a lot of Improvement
6	SIMRAN	12200316	8	Need a lot of Improvement
7	MANVI VASHISHT	12200442	8	Need a lot of Improvement
8	PREETINDER TOOR	12200524	8	Need a lot of Improvement
9	VARUN SINGH SAINI	12200701	8	Need a lot of Improvement
10	KHUSHDEEP BHATTI	12200301	12	Need a lot of Improvement
11	JASMEET KAUR	12200356	16	Need a lot of Improvement
12	RAMANDEEP SINGH	12200517	16	Need a lot of Improvement

13	RAMJOT KAUR	12201096		16	Need a lot of Improvement
14	SAMAYRA	12200893		20	Need a lot of Improvement
15	ASHWANI SINGH	12200215		28	Need Improvement
16	DIKSHA	12200303		28	Need Improvement
17	ALISHKA ARORA	12201037		30	Need Improvement
18	PRIYA	12200201		32	Can do better
19	VANSHIKA AGGARWAL	12200128		34	Can do better
20	MEHAK MANHAS	12200065		36	Can do better
21	MANISHA	12200102		36	Can do better

Action taken for Slow Learners

1. Extra classes taken for the students to clear their doubts.
2. Study material provided for the difficult topics.

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ADVANCE & SLOW LEARNERS-MGT201(A13A)

Advanced Learners

	Advanced Learners B.COM III (A)			
	Course Name	Organizational Behaviour	**Course Code**	MGT201
S.No.	**Name of Student**	**Registration No.**	**Percentage of marks**	**Remarks**
1	RAJVIR KAUR	12100129	86	Good Performance
2	SAAKSHI	12100082	84	Good Performance
3	HEENA KAPOOR	12100108	84	Good Performance
4	RANVEER SINGH	12100355	84	Good Performance
5	DEEKSHA	12100348	80	Good Performance

Action taken for Advanced Learners

1. New topics shared with them to explore new areas in the field of organizational Behaviour.

Slow Learners

	Slow Learners B.COM III (A)			
	Course Name	Organizational Behaviour	**Course Code**	MGT201
S.No.	**Name of Student**	**Registration No.**	**Percentage of marks**	**Remarks**
1	PARSHANT KUMAR	12100222	4	Need a lot of Improvement
2	JASMIT SINGH	12100227	8	Need a lot of Improvement
3	BHUMIKA BAWA	12100387	16	Need a lot of Improvement
4	MEETALI BAGAL	12100060	20	Need Improvement
5	MUSKAN	12101044	22	Need Improvement
6	PRATIBHA	12100141	24	Need Improvement
7	KANAK SHARMA	12100369	26	Need Improvement
8	SHANVEER SRIVASTAVA	12100287	28	Need Improvement
9	JATIN PAUL	12100344	28	Need Improvement
10	MANJOT KAUR	12100228	32	Can do better
11	HARSHROOP SINGH	12101103	32	Can do better
12	RAHUL SHARMA	12100340	34	Can do better
13	SONIA	12100410	34	Can do better

14	KAJAL	12100119		36	Can do better
15	NIDHI CHIB	12100411		36	Can do better
16	ARSHPRIT KAUR	12100404		38	Can do better

Action taken for Slow Learners

1. Extra classes taken for the students to clear their doubts.
2. Study material provided for the difficult topics.

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ADVANCE & SLOW LEARNERS-MGT201(A13B & A25A)

Advanced Learners

	Advanced Learners B.COM III (B)			
	Course Name	Organizational Behaviour	**Course Code**	MGT201
S.No.	**Name of Student**	**Registration No.**	**Percentage of marks**	**Remarks**
1	AANCHAL KUMARI	12100432	90	Good Performance
2	SATVEER KAUR	12100383	88	Good Performance
3	MUSKAAN	12100505	88	Good Performance
4	PALAKPREET KAUR	12100467	84	Good Performance
5	PRABHJOT KAUR	12100562	82	Good Performance
6	NAVAL KISHOR	12100649	80	Good Performance

Action taken for Advanced Learners

1. New topics shared with them to explore new areas in the field of organizational Behaviour.

Slow Learners

	Slow Learners B.COM III (B)			
	Course Name	Organizational Behaviour	**Course Code**	MGT201
S.No.	**Name of Student**	**Registration No.**	**Percentage of marks**	**Remarks**
1	ARSHDEEP KAUR	12100142	12	Need a lot of Improvement
2	GAUTAM KUMAR	12100781	20	Need Improvement
3	PARUL SHARMA	12100067	24	Need Improvement
4	KARAN SANDHU	12100624	24	Need Improvement
5	ABHAY SHARMA	12100726	26	Need Improvement
6	GAGANDEEP SINGH	12100890	26	Need Improvement
7	DHRUV	12100837	30	Can do better
8	JITENDER SINGH	12101040	30	Can do better
9	JASMEEN	12100102	32	Can do better
10	ABHAY	12100489	32	Can do better
11	HARSH BHARDWAJ	12100795	36	Can do better
12	SURINDER SINGH	12101150	36	Can do better
13	NATASHA	12100457	38	Can do better

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14	HARSHIT KEHAR	12100929			
15	DIKSHA	12101273		38	Can do better
16	INDERJIT KAUR	12100897		38	Can do better
17	ANKUR	12100873		8	Need a lot of Improvement
				34	Can do better

Action taken for Slow Learners

1. Extra classes taken for the students to clear their doubts.
2. Study material provided for the difficult topics.

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List of Bright and Weak learners

Subject code : MGT631

Section: A24A

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
TANVI JAIN	12100951	84	Good performance

Action Agenda & Follow up action plan:

* Topics related to interrelations of power and politics discussed with the student.

*Student asked to link organizational change models with practical live examples.

*Student to give presentation related to recent trends in organization development.

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Weak Learners

Name of Student	Roll No	Result	Remarks
AMANPREET KAUR	12100695	34	**Needs to work hard**

Action Agenda & Follow up action plan:

* Study material on topics like team interventions and third party peacemaking given to students and was asked to discuss doubts related to the topic.

* Follow up test conducted to examine the level of clarity to the student.

* Regular doubt clearing sessions conducted for the topics discussed in the class.

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List of Bright and Weak learners

Subject code : MGT631

Section: A24B

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
MANSI	12100391	86	Good performance
MUSKAAN SHARMA	12101352	88	Good performance

Action Agenda & Follow up action plan:

* Topics related to interrelations of power and politics discussed with the student.

*Student asked to link organizational change models with practical live examples.

*Student to give presentation related to recent trends in organization development.

Weak Learners

Name of Student	Roll No	Result	Remarks
AGYAPAL KAUR	12100955	20	Needs to work hard

Action Agenda & Follow up action plan:

* Study material on topics like team interventions and third party peacemaking given to students and was asked to discuss doubts related to the topic

* Follow up test conducted to examine the level of clarity to the student.

* Regular doubt clearing sessions conducted for the topics discussed in the class.

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Action Taken Report for Slow and Advanced Learners

1. **Faculty Name :Dr. Namrita Kalia**

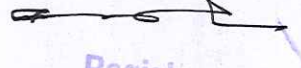   **Course Name (Course Code) : Global HRM (MGT999)**

   Action taken for Slow Learners

   Nil

   Action taken for Advanced Learners

   1. Students told to collect data related to global HRM strategies practiced in organizations and then discuss the same in the group.
   2. Case study discussed with students related to compensation and staffing policies followed in different countries. Students asked to develop their own case linking performance and compensation systems of international employees.
   3. Topics like learning organization and international HRM operations were discussed with students.

List of Bright and Weak learners

Subject code : MGT551

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
SHABNAMDEEP KAUR	12100509	90	Excellent
BHAVYA THAKUR	12100889	92	Excellent
SIMRAN	12101205	92	Excellent

Action Agenda & Follow up action plan:

* Sessions taken on research concept and designs

* Regular tests taken after completion of topic

* Students given assignments related to survey research

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Weak Learners

Name of Student	Roll No	Result	Remarks
NIL			

List of Bright and Weak learners

Subject code : MGT101

Section: Bcom (R) -B24A

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
MANJOT	12200720	92	Excellent

Action Agenda & Follow up action plan:

*Session was taken on Current trends in management.

*student was asked to prepare presentations on planning, controlling and directing.

*Assignment was given to practically study leadership style and organization

structure of a company.

Weak Learners

Name of Student	Roll No	Result	Remarks
SHAURYA RANA	12200220	24	Needs to work hard
KAUSTUBH	12200848	24	Needs to work hard

Action Agenda & Follow up action plan:

*Sessions were conducted on planning process, directing, controlling and

communication.

*Regular tests taken after completion of topic.

* Assignments given on staffing and regular doubt clearing sessions were conducted.

Subject code : MGT101

Section: **BBA-B14B**

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
PALWINDER KAUR	12200620	86	Good performance
VARNIKA SOOD	12200915	86	Good performance
SANDEEP SINGH	12200539	88	Good performance

Action Agenda & Follow up action plan:

*Session was taken on Current trends in management.

*student was asked to prepare presentations on planning, controlling and directing.

*assignment was given to practically study leadership style and organization

structure of a company.

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List of Weak Learners

Name of Student	Roll No	Result	Remarks
AKASH KUMAR	12200584	0	Needs to work hard
KUNAL SAINI	12200163	4	Needs to work hard
MOHD UMAR	12200527	4	Needs to work hard
SUMIT BARWAL	12200910	4	Needs to work hard
RAVI	12201228	4	Needs to work hard
RAGHUNANDAN PANDEY	12201281	4	Needs to work hard
RAGHAV	12201456	4	Needs to work hard
RAMANJOT SINGH	12200323	8	Needs to work hard
ROHIT	12200562	8	Needs to work hard
HARJOT SINGH	12200688	8	Needs to work hard

ANNANYA GUPTA	12200581		30	Needs to work hard
HARMEET SINGH	12200026		32	Needs to work hard
NIRMAL KUMAR	12200072		32	Needs to work hard
DHIRAJ DADWAL	12200930		32	Needs to work hard
HARSIMRAN SINGH	12200543		34	Needs to work hard
MANPREET KAUR	12200168		36	Needs to work hard

Action Agenda & Follow up action plan:

*Sessions were conducted on planning process, directing, controlling and communication.

*Regular tests taken after completion of topic.

* Assignments given on staffing and regular doubt clearing sessions were conducted.

Section : BCom (H)- B12B

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
NIGAM SINGH	12200433	88	good performance
TANIA BANGER	12200709	88	good performance
NAVJOT SINGH	12200443	90	Excellent
PALVI KUMARI	12200391	92	Excellent
CHAND GUPTA	12200879	92	Excellent

Action Agenda & Follow up action plan:

*Session was taken on Current trends in management.

*student was asked to prepare presentations on planning, controlling and directing.

*assignment was given to practically study leadership style and organization

structure of a company.

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Weak Learners

Name of Student	Roll No	Result	Remarks
NIKHIL SHARMA	12201306	6	Needs to work hard
ROHIT VERMA	12200507	8	Needs to work hard
ANMOL PATHANIA	12201280	8	Needs to work hard
NEHAPREET	12200359	10	Needs to work hard
MANKIRAT KAUR	12201204	12	Needs to work hard
MANINDER SAHOTA	12201276	12	Needs to work hard
DIKESHA	12201238	16	Needs to work hard
ARUSH GOYAL	12201309	16	Needs to work hard
GUNTAS	12200343	20	Needs to work hard
CHIRAG KAPIL	12201291	20	Needs to work hard
SAMEER	12201349	20	Needs to work

Action Agenda & Follow up action plan:

*Sessions were conducted on planning process, directing, controlling and communication.

*Regular tests taken after completion of topic.

* Assignments given on staffing and regular doubt clearing sessions were conducted.

List of Bright and Weak learners

Subject code : MGT361

Section: H16 B

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
UMIEED	12001399	90	Excellent
HARSIMARPREET KAUR	12000414	92	Excellent
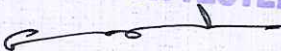
Action Agenda & Follow up action plan:

* Topics related to interrelations of power and politics discussed with the student.

*Student asked to link organizational change models with practical live examples.

*Student to give presentation related to recent trends in organization development.

Weak Learners

Name of Student	Roll No	Result	Remarks
NIL			

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DAV University, Jalandhar

List of Bright and Weak learners

Subject code : MGT361

Section: H16 A

Bright Learners

Name of Student	Roll No	Percentage of marks	Remarks
PUNEET SHARMA	12000296	84	Good

Action Agenda & Follow up action plan:

* Topics related to interrelations of power and politics discussed with the student.

*Student asked to link organizational change models with practical live examples.

*Student to give presentation related to recent trends in organization development.

Weak Learners

Name of Student	Roll No	Result	Remarks
NIL			

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DAV University, Jalandhar

Department of Commerce, Business Management and Economics (CBME)

Action Taken Report for Slow and Advanced Learners

1. **Faculty Name – Ms. Joshna Sanolia**

a. **Course Name (Course Code) – Strategic Management (MGT203)**

Action taken for Slow Learners
1. Doubt clearing sessions have been conducted.
2. Extra study material have been provided for tough topics for more clarification.

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
2. Cases have been discussed in the class regarding various strategies adopted by companies.

b. **Course Name (Course Code) – Performance Management (MGT364)**

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
2. Examples have been discussed in the class regarding various concepts of performance management.

c. **Course Name (Course Code) - Performance Management System (MGT670)**

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
2. Examples have been discussed in the class regarding various concepts of performance management system.

d. **Course Name (Course Code) – Industrial Relations and Labour Policy (MGT669)**

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.

2. Examples have been discussed in the class regarding various concepts of industrial relations and labour policy.

DAV UNIVERSIT

Session.....2022-23..........   Semester ....IV.............. of labour Policy

CLASS.......MBA..............   SUBJECT...Industrial Relations.......Theory/Practical/Seminar...Theory...
(Advance learners)

SECTION/GROUP/PAPER...........................FROM........................TO ....DAYS .....

Sr. No.	Roll No.	Name	1 17/03	2 23/03	3 03/04	25/04	5	6	7	8	9	10	11	12	13	14	15
1.	12100005	Anamika Guleria (A24A-)	P	P	A	P											
2.	12100806	Pawanpreet Kaur	A	P	P	P											
3.	12100894	Kavita	P	A	A	A											
4.	12101042	Muskan	P	P	A	P											
5.	12101228	Sahil Rana (A24B)	P	P	A	P											
6.	12101156	Abhijeet Thakur	A	A	A	A											
7.	12100973	Harpreet Kaur	P	P	A	P											

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Department of Commerce, Business Management and Economics (CBME)

Action Taken Report for Slow and Advanced Learners

1. **Faculty Name – Ms. Joshna Sanolia**

a. **Course Name (Course Code) – Strategic Management (MGT203)**

Action taken for Slow Learners
1. Doubt clearing sessions have been conducted.
2. Extra study material have been provided for tough topics for more clarification.

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
2. Cases have been discussed in the class regarding various strategies adopted by companies.

b. **Course Name (Course Code) – Performance Management (MGT364)**

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
2. Examples have been discussed in the class regarding various concepts of performance management.

c. **Course Name (Course Code) - Performance Management System (MGT670)**

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.
2. Examples have been discussed in the class regarding various concepts of performance management system.

d. **Course Name (Course Code) – Industrial Relations and Labour Policy (MGT669)**

Action taken for Advanced Learners
1. Extra study material regarding subject have been provided for enhancing their knowledge regarding subject.

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DAV University, Jalandhar

2. Examples have been discussed in the class regarding various concepts of industrial relations and labour policy.

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ssion 2022-23   Semester IV

– A13A & A13B

ASS B.Com. (Hons.) .... SUBJECT... Strategic management   Theory/Practical/Seminar... Theory

(Advance learners)

ECTION/GROUP/PAPER........................... FROM.................... TO .... DAYS

Sr. No.	Roll No.	Name (A13A)	1 13/03	2 21/03	03/04 3	4 11/04	5	6	7	8	9	10	11	12	13	14	15	16
1.	12100108	Heena Kapoor	P	P	P	P												
2.	12100199	Ragvir Kaur	P	P	P	P												
3.	12100082	Saakshi	P	P	P	P												
4.	12100198	Kusum Jain	P	P	P	P												
5.	12100316	Riya Balotra	P	P	P	P												
6.	12100348	Deeksha	P	A	P	P												
7.	12100355	Ranveer Singh	P	P	P	A												
8.	12100050	Tanvi	P	P	A	P												
9.	12100118	Kamaljit Kaur	P	A	P	P												
10.	12100119	Kajal	P	A	P	P												
11.	12100410	Sonia	P	P	P	P												
12.	12100958	Navdeep Kaur	A	P	A	P												
13.	12100112	Ritika	A	A	P	P												
14.	12100116	Vanshika	P	A	P	P												
15.	12100673	Munisha (A13B)	P	P	P	P												
16.	12100383	Satveer Kaur	P	P	P	P												
17.	12100505	Muskaan	P	P	P	A												
18.	12100938	Loveleen Saini	P	P	P	P												
19.	12100572	Gurkaran Singh	P	P	P	P												
20.	13101121	Aman Kainth	P	P	P	P												
21.	12100432	Aanchal Kumari	P	P	P	P												
22.	12100649	Naval Kishor	P	P	P	A												
23.	12100562	Prabhjot Kaur	P	P	P	A												
24.	12100817	Simranjit Kaur	P	P	P	P												
25.	12100467	Palakpreet Kaur	P	P	P	A												
26.	12100473	Riya	P	P	P	P												
27.	12100711	Hashir Khurshed	P	P	P	P												
28.	12100978	Paramjot Singh	A	P	P	P												

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DAV UNIVERSIT

Session.... 2022-23 .... Semester .... IV ....
-. A13A & A13B
CLASS.... B. Com. (Hons.) SUBJECT.. Strategic... Management Theory/Practical/Seminar.... Theory
(Slow learners)
SECTION/GROUP/PAPER........................ FROM................. TO .... DAYS

Sr. No.	Roll No.	Name	1 14/03	2	3 17/04	4 99/04	5	6	7	8	9	10	11	12	13	14	15
1.	12100141	Pratibha (A13A)	P	P	P	P											
2.	12100144	Navneet Kaur	P	P	P	P											
3.	12100227	Jasmit Singh	A	A	P	P											
4.	12100569	Kanak Sharma	A	A	A	A											
5.	12100736	Priyanshu Thakur	A	P	P	P											
6.	12100044	Muskan	A	A	A	P											
7.	12100103	Harshroop Singh	A	P	P	P											
8.	12100067	Parul Sharma (A13B)	P	P	P	P											
9.	12100624	Karan Sandhu	P	A	P	P											
10.	12100726	Abhay Sharma	P	P	P	P											
11.	12100929	Harshit Kehar	P	P	A	P											
12.	12101056	Mohit Kalar	P	P	P	A											
13.	12101180	Navdeep Singh	P	A	P	P											
14.	12101273	Diksha	A	A	A	A											
15.	12100897	Inderjit Kaur (A25A)	P	A	A	P											

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Department of Commerce, Business Management and Economics

Action taken Report for Slow and Advanced Learners

Faculty Name: Dr. Anju Bala

a. **Course Name: Business Environment (MGT103)**

Action taken for Slow Learner

- Tutorials have been taken.
- Special sessions have been taken in order to solve their problems
- Personal attention and counselling for proving special hints and problem-solving technique.
- Home assignment are given and check their homework on next remedial class.

Action Taken for Advance Learners

- Advanced notes have been shared.
- Advanced practice tests have also been shared.
- Discussion or seminar on advanced topic.
- Guiding the student for timely preparing the competitive examination.

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Session...... **90** **2022 - 23** ...... Semester ......**II**............

CLASS......**BBA**............ SUBJECT..**Business Environment**..Theory/Practical/Seminar ...**Theory**..

SECTION/GROUP/PAPER......**MGT 103**...... FROM........................ TO .... DAYS

Sr. No.	Roll No.	Name	1 3/4	2 6/4	3 7/4	4 10/4	5 17/4	6	7	8	9	10	11	12	13	14	15
		Advance Learner															
1.	12200087	Saavvi Anand	P	P	P	P	A										
2.	12200298	Shevya Sharma	A	P	P	P	P										
3.	12200690	Khushboo	A	P	P	P	P										
		Slow Learner	20/4	21/4	24/4	27/4	28/4										
1.	12200956	Ankit Hansa	A	A	A	P	A										
2.	12200962	Lalit Kapoor	P	A	P	A	A										

Department of Commerce, Business Management and Economics

Action taken Report for Slow and Advanced Learners

Course Name: Strategic Management (MGT310)

Action taken for Slow Learner

- Tutorials have been taken.
- Special sessions have been taken in order to solve their problems
- Personal attention and counselling for proving special hints and problem-solving technique.
- Home assignment are given and check their homework on next remedial class.

Action Taken for Advance Learners

- Advanced notes have been shared.
- Advanced practice tests have also been shared.
- Discussion or seminar on advanced topic.
- Guiding the student for timely preparing the competitive examination.

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DAV UNIVERSITY

Session... 2022 - 2023 .... Semester .... VI ....

CLASS.... B.BA .... SUBJECT. Strategic Management Theory/Practical/Seminar.. Theory

SECTION/GROUP/PAPER.... MGT 310 .... FROM.................... TO .... DAYS

Sr. No.	Roll No.	Name	1 3/4	2 4/4	3 5/4	4 7/4	5 10/4	6	7	8	9	10	11	12	13	14	15	16
		Advance Learners																
1.	12000075	Ankita Singh	P	P	P	P	P											
2.	12000214	Iknoor Saini	A	A	A	A	P											
3.	1200 0233	Meenakshi Pathania	P	P	P	P	P											
		Slow learner	11/4	12/4	17/4	18/4	31/4											
1.	12000749	Charnjit Kaur	A	A	A	A	A											

Strategic Management Theory/Practical/Seminar.. Theory

Department of Commerce Business Management and Economics

Action Taken Report for Slow and Advanced Learners

1. Faculty Name: Vinod (10987)

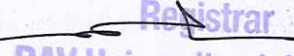a. Course Name: Indian Economy (ECO201)

Action taken for Slow Learners
1. Extra time is given to these students.
2. Regular interaction and oral communication had been increased.
3. Extra attention in the lecture is also given to these students.

Action taken for Advanced Learners
1. Additional notes are given for preparation.
2. Extra study material is provided for competitive exams.
3. Agriculture policy of India is given to the students for overview.

b. Course Name: Agriculture Economics (ECO302)

Action taken for Slow Learners
1. Extra time is given to these students.
2. Regular interaction and oral communication had been increased.
3. Extra attention in the lecture is also given to these students.

Action taken for Advanced Learners
1. Additional notes are given for preparation.
2. Extra study material is provided for competitive exams.
3. Agriculture policy of India is given to the students for overview.

DAV UNIVERSITY JALANDHAR

Attendance Register

Session 2022-23 Semester ...5th Sem...

CLASS... B.Sc. .... SUBJECT...Agricultural Eco....Theory/Practical/Seminar/Adhoc...Lea.

SECTION/GROUP/PAPER £0302 FROM .... TO .... DAYS .... PERIOD/S ....

Sr. No.	Roll No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	0008	NISHANT	P	P	P	P	P																										
	860	MEGHA	P	P	P	P	P																										
	594	SIMRANJIT KAUR	P	P	P	P	P																										
	862	DHAIRYA ABROL	P	P	P	P	P																										

Lectures Delivered

Lectures Required

	Current	Previous	Total

| Lectures Delivered | | | |
| Lectures Required | | | |

ON WHICH THE TEACHER MEET THIS CLASS/GROUP

Current Lectures	Previous Lectures	Total	Shortage	Remarks / Result House Exam / Test

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Faculty Incharge

HOD/Coordinator