




Slow Learner

Department of Business Administration

Session- 2019-20

Faculty of Business & Management
Quantum University, Roorkee


HEAD OF DEPARTMENT
Dept. of Business Administration
Quantum University, Roorkee


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Quantum University



The Department of Business Administration has identified certain slow learners in the third semester of the Bachelor of Business Administration based on

1. The number of students who received less than 40% in different subjects in Session-1 examinations.
2. The following table lists the students' Session 1 marks in the various B.B.A. third-semester subjects:

Sessional-1 Marks (3 th Sem) Session:2019-20							
Bachelor of Business Administration							
StudentID	Student Name	Subject Name					
		Business Environment BB3304 (Out of 50)	Business Finance BB3302 (Out of 50)	Human Resource Management BB3305 (Out of 50)	Leadership and Motivation BB3301 (Out of 50)	Production and Operation Management BB3303 (Out of 50)	Supply Chain Management BB3306 (Out of 50)
18020600001	ABHIJEET CHOUDHARY	9	9	11	32	22	11
18020600108	ABHISHEK SHARMA	31	20	36	45	40	23
18020600078	AJIT RAM SAHANI	38	26	42	40	36	
18020600094	AKHIL SAINI	36		34	31	40	33
18020600004	AKSHIT TYAGI	26		27	25	36	36
18020600063	AMRENDRA KUMAR	45	36	43	45	41	47
18020600062	ANIRUDH YADAV						
18020600005	ANJALI	37	25	41	45	38	47
18020600084	ANKUR CHAUDHARY	22	14	18			22
18020600007	ANSHIKA BARANWAL	33	41	36	39	44	45

18020600066	ANSHULIKA	27	26	17	21	41	28
18020600009	ANVISHA KUMARI	36	24	17	38	43	41
18020600090	ASHUTOSH SHUKLA	27	20	28	36	29	26
18020600095	AYAN RAM	22	8	33	36	26	
18020600011	BHARAT ROHELLA	20	14	12	22	36	24
18020600012	BHUMIKA SETH	38	31	47	48	35	47
18020600089	BHUMIKA SINGH						
18020600088	BIPNA MUNDA						
18020600105	CHANDAN KUMAR YADAV	17	9	17	27	7	8
18020600091	CHESTA SAKUJA	43	37	42	48	40	36
18020600014	DEEP PRAKASH	23	25	34	29	36	29
18020600086	DEPENDRA JAIN	26		32	30	29	20
18020600016	GAUTAM ARORA	34	28	34	38	40	36
18020600018	HARSH MITTAL	26	26	32	38	36	22
18020600019	HARSH RAJ	30	16	26	32	34	37
18020600075	HARSHIT PAL	26	15	29	32	28	37
18020600092	HIMANSHU SAINI	14			25		11
18020600021	ISHIKA MUKHERJEE	34	6	36	40	40	
18020600074	JYOTI KUMARI	41	10	31	44	43	39
18020600022	KANIKA CHAWLA	35	31	33	39	40	43
18020600023	KARTIK KAILASH GOLA	32	18	27			43
18020600093	KIRTI SHARMA	32					
18020600025	KRITIKA PATHAK	33		17	21		
18020600064	KUMAR GAURAV						
18020600027	LEHARIKA ARORA	42	39	47	48	42	47

18020600101	MD WALIULLAH	21	16	18	27	32	21
18020600032	MOHD FARDEEN	20	15	24	21	25	29


The department has identified the (Yellow Highlighted) Slow Learner Students listed below, who have less than 40% marks, based on this Session 1 marks list.

List of Slow Learner				
Bachelor of Business Administration				
S. No.	Semester	Subject	No. of Students Identified	Name of Students
1	Sem-3	Business Environment BB3304	04	ABHIJEET CHOUDHARY CHANDAN KUMAR YADAV HIMANSHU SAINI MOHD FARDEEN
2	Sem-3	Business Finance BB3302	08	ABHIJEET CHOUDHARY ANKUR CHAUDHARY AYAN RAM CHANDAN KUMAR YADAV ISHIKA MUKHERJEE JYOTI KUMARI KARTIK KAILASH GOLA MD WALIULLAH
3	Sem-3	Human Resource Management BB3305	07	ABHIJEET CHOUDHARY ANKUR CHAUDHARY ANSHULIKA ANVISHA KUMARI BHARAT ROHELLA CHANDAN KUMAR YADAV KRITIKA PATHAK
4	Sem-3	Leadership and Motivation BB3301	0	NIL

5	Sem-3	Production and Operation Management BB3303	01	CHANDAN KUMAR YADAV
6	Sem-3	Supply Chain Management BB3306	02	CHANDAN KUMAR YADAV HIMANSHU SAINI

To boost slow learners' overall performance, the department has done the following:

1. Conducted online remedial lessons (twice a week for three weeks) in accordance with the schedule provided below.
2. Offer online study materials for relevant areas.
3. Assign specific online assignments for specific courses.



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DEPARTMENT OF BUSINESS ADMINISTRATION

NOTICE FOR REMEDIAL CLASSES

Dated: November 22, 2019

As per the evaluation of the Session-1 examination conducted by the Department of Business Administration, some students have been identified as slow and advanced Learners.

For the improvement of the Slow Learner's, department has decided to conduct the **remedial classes** for 3 weeks (2 days in a week).

So all the slow learner students must attend these classes. It is mandatory for all slow learners.

Timetable is put on the notice board.

Amit Saini
(Dr Amit Saini)
Head of Department,
Department of Business Administration
Quantum University, Roorkee
Uttarakhand

CC to:

- 1) Hon'ble Chancellor for online information.
- 2) Hon'ble Vice-Chancellor for online information.
- 3) Hon'ble Pro-Vice Chancellor for online information.
- 4) Directors (QST & QSB) online
- 5) All faculty members, Academics Coordinator, System Admin, ERP online

Amit
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Dept. of Business Administration
Quantum University, Roorkee

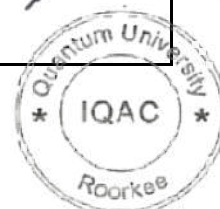


Time Table For Remedial Classes

Remedial Classes for Slow learners (2019-20)			
TimeTable			
Course:	Bachelor of Business Administration	Year/Sem	2 nd Year/3 th Sem
Date/Day	Time	Subject	
27/11/2019	2:15 PM- 3:00PM	Business Environment BB3304	
27/11/2019	3:00 PM -3:45 PM	Business Finance BB3302	
27/11/2019	3:45 PM – 4:30 PM	Human Resource Management BB3305	
30/11/2019	2:15 PM- 3:00PM	Business Environment BB3304	
30/11/2019	3:00 PM -3:45 PM	Business Finance BB3302	
30/11/2019	3:45 PM – 4:30 PM	Human Resource Management BB3305	
04/12/2019	2:15 PM- 3:00PM	Business Environment BB3304	
04/12/2019	3:00 PM -3:45 PM	Business Finance BB3302	
04/12/2019	3:45 PM – 4:30 PM	Human Resource Management BB3305	
07/12/2019	2:15 PM- 3:00PM	Business Environment BB3304	
07/12/2019	3:00 PM -3:45 PM	Business Finance BB3302	
17/12/2019	3:45 PM – 4:30 PM	Human Resource Management BB3305	
11/12/2019	2:15 PM- 3:00PM	Business Environment BB3304	


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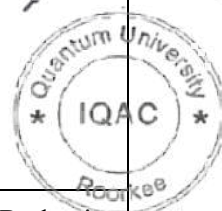


11/12/2019	3:00 PM -3:45 PM	Business Finance BB3302
11/12/2019	3:45 PM – 4:30 PM	Human Resource Management BB3305
14/12/2019	2:15 PM- 3:00PM	Business Environment BB3304
14/12/2019	3:00 PM -3:45 PM	Business Finance BB3302
14/12/2019	3:45 PM – 4:30 PM	Human Resource Management BB3305

Topics of Remedial Classes

Bachelor of Business Administration						
Topics of Remedial Class (Semester 3rd)						
Session:2019-20						
S. No.	Subject Name and Code	Topic-1	Topic-2	Topic-3	Topic-4	Topic-5
1	Business Environment BB3304	Meaning, concept & scope of environment Business & its environment for effective performance	Meaning of economic growth, factors affecting economic growth, impact of circular flow of money on business, large scale & small scale business.	Types of Economies-free, capitalization, socialistic, socialistic & mixed.	MRTP, FERA, Monetary & fiscal policy, Company law, Money & Capital market.	Business & Society:- Business & social responsibility, pollution threat, Ecology balance
2	Business Finance BB3302	Financial Management: Meaning, objectives and importance of	Cost of Capital: Introduction of cost of capital,	Operating and Financial Leverage: Utilization of leverage, Effects	Management of Working Capital: nature of Working capital, Significance of	Capital Budgeting Decisions: Introduction and Nature of investment

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		finance, Sources of finance, Functions of Financial management	significance of cost of capital, Capital Structure	on profit, analyzing, alternate financial plans	working capital	decisions, Method of capital budgeting
3	Human Resource Management BB3305	Human Resource Management: Features, Objectives, Function and Theories of HRM. Evolution of HRM: Evolution, Functions	Approaches, and Benefits of Forecasting. Job analysis Job analysis, job description, job specification	Career Planning: Significance, Need and Its components, Career counseling	Performance appraisal: Need, importance, objectives, methods and problems of performance appraisal	Industrial Relations: Concept and Significance of Industrial Relations. Trade Unions: role, types, functions, problems.



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Improvement in marks after the Remedial Classes

Sessional-1 Marks (3th Sem)
Session:2019-20


Bachelor of Business Administration

StudentID	Student Name	Subject Name					
		Business Environment BB3304 (Out of 60)	Business Finance BB3302 (Out of 60)	Human Resource Management BB3305 (Out of 60)	Leadership and Motivation BB3301 (Out of 60)	Production and Operation Management BB3303 (Out of 60)	Supply Chain Management BB3306 (Out of 60)
18020600001	ABHIJEET CHOUDHARY	32	42	27			
18020600108	ABHISHEK SHARMA						
18020600078	AJIT RAM SAHANI						
18020600094	AKHIL SAINI						
18020600004	AKSHIT TYAGI						
18020600063	AMRENDRA KUMAR						
18020600062	ANIRUDH YADAV						
18020600005	ANJALI						
18020600084	ANKUR CHAUDHARY		29	28			
18020600007	ANSHIKA BARANWAL						
18020600066	ANSHULIKA			41			
18020600009	ANVISHA KUMARI			41			
18020600090	ASHUTOSH SHUKLA						

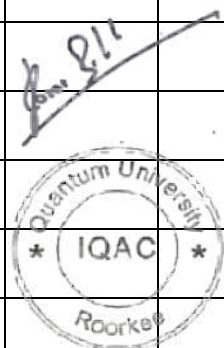
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18020600095	AYAN RAM		32				
18020600011	BHARAT ROHELLA			31			
18020600012	BHUMIKA SETH						
18020600089	BHUMIKA SINGH						
18020600088	BIPNA MUNDA						
18020600105	CHANDAN KUMAR YADAV	32	42	32		36	35
18020600091	CHESTA SAKUJA						
18020600014	DEEP PRAKASH						
18020600086	DEPENDRA JAIN						
18020600016	GAUTAM ARORA						
18020600018	HARSH MITTAL						
18020600019	HARSH RAJ						
18020600075	HARSHIT PAL						
18020600092	HIMANSHU SAINI	N/A					N/A
18020600021	ISHIKA MUKHERJEE		44				
18020600074	JYOTI KUMARI		31				
18020600022	KANIKA CHAWLA						
18020600023	KARTIK KAILASH GOLA		36				
18020600093	KIRTI SHARMA						
18020600025	KRITIKA PATHAK			36			
18020600064	KUMAR GAURAV						
18020600027	LEHARIKA ARORA						
18020600101	MD WALIULLAH		32				
18020600032	MOHD FARDEEN		35				


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Slow Learner

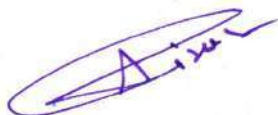
Department of Commerce & Finance

Session- 2019-20

Faculty of Graduate Studies
Quantum University, Roorkee



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On an evaluation of Students who carry fewer than 40% Marks in various subjects in Sessional-1 examination, the Department of Commerce & Finance has selected some slow learners in the third semester of B.Com.

The following table lists the students' Sessional-1 marks in the various B.Com 3rd Sem subjects:

Sessional-1 Marks (3 rd Sem) Session:2019-20				
Bachelor of Commerce				
StudentID	Student Name	Subject Name		
		Auditing (Out of 50)	Cost Accounting (Out of 50)	Money Banking and Financial Institution (Out of 50)
18031600042	AAKANKSHA CHAUHAN	35	37	39
18031600001	AASHI PASRICHA	37	41	38
18031600002	ABDUL RAZIQ	35	46	33
18031500015	ADITI CHOUDHARY	37	42	39
18031600041	ADITI SRIVASTAVA	N/A	N/A	38
18031600003	AJAY PRATAP SINGH	25	36	22
18031700002	AKARSHITA GUPTA	39	46	42
18031500002	AMJED ALI	8	12	N/A
18031500003	ANAMIKA SAINI	37	33	39
18031700010	ANCHAL KALRA	39	40	N/A
18031600004	ANKIT SINGH	N/A	12	N/A
18031700026	ASHA PANDEY	40	44	41
18031600005	AYUSHI BALIYAN	42	46	44

18031700004	AYUSHI CHOUDHARY	38	40	37
18031600006	DEEPANSHI	30	33	37
18031700005	DIGANT YADAV	40	42	39
18031700025	DIVYA GUPTA	31	36	40
18031600045	DIVYESH SHARMA	34	45	32
18031600007	GAURAV PANWAR	N/A	N/A	N/A
18031600009	HIMANSHI	27	25	40
18031700006	HIMANSHI	31	44	36
18031700007	HIMANSHI NAWANI	36	46	40
18031500006	HRITIK AGARWAL	12	8	N/A
18031600010	JYOTI KUMARI	36	29	37
18031600011	JYOTI RAWAT	30	33	41
18031600039	MANISHA SALAL	44	44	40
18031600012	MOHD SHOAIB	36	42	27
18031500007	MOHD SHOAIB	27	28	36
18031600013	MUKTA SAINI	36	48	39
18031600044	MUSKAN VERMA	30	45	35
18031600014	NAVEEN KUMAR	29	50	29
18031600015	NIKHIL KAMBOJ	26	48	32
18031500011	NITIN YADAV	N/A	N/A	N/A
18031600040	PARI YADAV	36	46	35
18031600048	PRAFUL PANT	35	44	40
18031600036	PRAGYA GALVE	42	24	41
18031600017	PRANSHU GARG	33	41	38
18030100016	PRERNA JAIN	34	36	36
18031700011	PRIYA SAINI	36	25	39

18031600019	RAHUL KUMAR	21	37	31
18031600020	RAVINA	39	36	41
18031600021	RISHAB KAMBOJ	22	38	N/A
18031600022	RISHIKA GAUTAM	27	26	31
18031700022	RITHIK DHIMAN	27	44	27
18031600046	RITIKA KUKRETI	43	50	40
18031600034	ROUNAK KUMAR	N/A	N/A	N/A
18031700012	SAKSHAM RANA	42	44	41
18031600023	SAKSHI	38	44	40
18031700013	SALONI YADAV	37	38	42
18031600024	SAMBHAV JAIN	30	38	37
18031600025	SARTHAK GUPTA	40	38	44
18031500012	SATYAM KUMAR	N/A	N/A	40
18031700014	SHWETA KASHYAP	N/A	15	38
18031600030	SPARSH GUMBER	41	46	37
18031700015	SUNNY	28	25	39
18031600031	SUYASH SRIVASTAV	33	24	36
18031700016	SWETA PATWAL	37	31	37
18031700017	TANUJ BISHT	N/A	N/A	N/A
18031700018	TANVI GUPTA	42	41	42
18031700020	VANSH BANSAL	34	46	33
18031700021	VIPIN	29	8	35
18031500010	VIVEK KUMAR	30	25	34

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In the Sessional-1 marks table, department has identified (Yellow Highlighted) Slow learner Students given below, who carry less than 40% marks.

List of Slow Learner				
Bachelor of Commerce				
S. No.	Semester	Subject	No. of Students Identified	Name of Students
1	Sem-3	Auditing	2	AMJED ALI HRITIK AGARWAL
2	Sem-3	Cost Accounting	5	AMJED ALI ANKIT SINGH HRITIK AGARWAL SHWETA KASHYAP VIPIN
2	Sem-3	Money Banking and Financial Institution	0	NIL

The department has taken the following steps to improve the overall performance of slow learners:

1. Conducted remedial sessions (twice a week for three weeks) in accordance with the schedule provided below.
2. Offer online study materials for relevant areas.
3. Distribute unique online assignments for certain courses.

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DEPARTMENT OF COMMERCE & FINANCE

NOTICE FOR REMEDIAL CLASSES

Dated: November 1, 2019

As per the evaluation of the Sessional-I examination conducted by the Department of Commerce & Finance, some students have been identified as slow and advanced Learners.

For the improvement of the Slow Learner's, department has decided to conduct the remedial classes for 3 weeks (2 days in a week).

So all the slow learner students must attend these classes. It is mandatory for all slow learners.

Timetable is put on the notice board.


(Dr. Amit Saini)

Head of Department,
Department of Commerce & Finance
Quantum University, Roorkee
Uttarakhand

CC to:

- 6) Hon'ble Chancellor for online information.
- 7) Hon'ble Vice Chancellor for online information.
- 8) Hon'ble Pro-Vice Chancellor for online information.
- 9) Directors (QST & QSB) online
- 10) All faculty members, Academics Coordinator, System Admin, ERP online
- 11) Notice Board


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Time Table For Remedial Classes

Remedial Classes for Slow learners(2019-20)			
Time Table			
Course:	Bachelor of Commerce	Year/Sem	2 nd Year/3 th Sem
Date/Day	Time	Subject	
13/11/2020	2:30 PM- 3:25PM	Auditing	
13/11/2020	3:25 PM- 4:10PM	Cost Accounting	
16/11/2020	2:30 PM- 3:25PM	Cost Accounting	
16/11/2020	3:25 PM- 4:10 PM	Auditing	
20/11/2020	2:30 PM- 3:25PM	Auditing	
20/11/2020	3:25 PM- 4:10 PM	Cost Accounting	
23/11/2020	2:30 PM- 3:25PM	Auditing	
23/11/2020	3:25 PM- 4:10PM	Cost Accounting	
27/11/2020	2:30 PM- 3:25PM	Auditing	
27/11/2020	3:25 PM- 4:10PM	Cost Accounting	
30/11/2020	2:30 PM- 3:25PM	Cost Accounting	

30/11/2020	3:25 PM- 4:10PM	Auditing
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Topics of Remedial Classes

Bachelor of Commerce						
Topics of Remedial Class(Semester3 rd)						
Session:2019-20						
S.No.	Subject Name and Code	Topic-1	Topic-2	Topic-3	Topic-4	Topic-5
1	Auditing	Basic Principles and Techniques; Classification of Audit, Audit Planning	Basic considerations of audit in EDP Environment; Assurance Standards (AASs).	Company Auditor- Qualifications and disqualifications, Appointment	Auditor's Report- Contents and Types, Liabilities of Statutory Auditors under the Companies Act 2013	Investigation: Objectives, Difference between audit and investigations
2	Cost Accounting	Introduction to costing: Nature, Scope, Advantages and limitations of Cost Accounting,	Methods of inventory valuation – FIFO, LIFO, Simple Average, Weighted Average.	Concept of overhead: Introduction, Classification, allocation, apportionment	Unit costing: Introduction, Method of unit costing, Cost sheet	Process, costing and contract costing: Cost Ledger Accounting, introduction to process cost accounting


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Improvement in marks after the Remedial Classes

End Term Marks (3 rd Sem) Session:2019-20			
Bachelor of Commerce			
StudentID	Student Name	Subject Name	
		Auditing (Out of 60)	Cost Accounting (Out of 60)
18031500002	AMJED ALI	A	48
18031600004	ANKIT SINGH		A
18031500006	HRITIK AGARWAL	A	46
18031700014	SHWETA KASHYAP		42
18031700021	VIPIN		51



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Slow Learner Report

Department of Humanities & Social Sciences

Session- 2019-20



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Dept. of Humanities & Social Sciences
Quantum University, Roorkee



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Faculty of Graduate Studies
Quantum University, Roorkee

SLOW LEARNER REPORT

On the basis of students who received less than 40% of the possible marks in several subjects at the midterm examination, the Department of Humanities & Social Sciences has identified assured slow learners in the first semester of the Bachelor of Arts program.

Below are the learner's midterm results for several Bachelor of Arts first semester courses:

Student ID	Student Name	Course	Communicative English (Out of 50)	Fundamental Psychological Processes-I (Out of 50)	Human Values and Ethics (Out of 50)	Principles of Micro Economics (Out of 50)	Computer Applications in Business (Out of 50)	Introduction to Theory of Psychology (Out of 50)	English Poetry & Drama (Out of 50)	Indian Writing in English (Out of 50)
19250009	AKIRITI RAWAT	Specialization in Psychology	33	40	46	43	29	35	NA	NA
19250007	AVIGYATA SARKAR	Specialization in Psychology	29	15	19	20	11	A	NA	NA
19250001	KAUSHIK HIMRAL	Specialization in Psychology	24	14	A	31	A	25	NA	NA
19250005	KM PREETI DEVI	Specialization in Psychology	20	9	19	23	6	20	NA	NA
19250002	PAYAL BHUSARI	Specialization in Psychology	26	29	38	40	8	1	NA	NA
19250008	RITIKA	Specialization in Psychology	29	28	41	37	34	41	NA	NA
19250006	SAYYAD MOHAMMAD HAMMAD	Specialization in Psychology	21	7	22	22	26	11	NA	NA
19250004	SHAILI	Specialization in Psychology	42	32	32	41	29	32	NA	NA

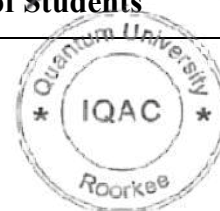
		ogy								
19230001	BHARTI PUNDIR	Specilization in English	18	21	26	29	NA	NA	39	27
19230002	HUMANA NAZ	Specilization in English	12	15	16	29	NA	NA	37	29
19150002	JJEETENDER PATRO	Specilization in English	27	26	24	38	NA	NA	37	32
19230003	PRIYANKA	Specilization in English	32	23	36	40	NA	NA	44	42
19230007	SHRISHTY KUMARI	Specilization in English	18	A	24	31	NA	NA	29	A
19230008	SMRUTY SHUDHA PRADHAN	Specilization in English	18	9	19	21	NA	NA	29	18
19230004	TOOBASHAM SHAD	Specilization in English	39	24	29	34	NA	NA	38	39
19230005	VANSHIKA BISHT	Specilization in English	35	30	38	38	NA	NA	42	43

This midterm marks table has allowed the department to identify the (Yellow Highlighted) slow learners who received less than 40% of the total marks.

List of Slow Learner				
Bachelor of Arts				
S. No.	Semester	Subject	No. of Students Identified	Name of Students

Neelam
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Quantum University, Roorkee

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1	Sem-1	Communicative English	4	BHARTI PUNDIR HUMA NAAZ SHRISHTY KUMARI SMRUTY SHUDHA PRADHAN
2	Sem-1	Fundamental Psychological Processes-I	6	AVIGYATA SARKAR KAUSHIK HIMRAL KM PREETI DEVI SAYYAD MOHAMMAD HAMMAD HUMA NAAZ SMRUTY SHUDHA PRADHAN
3	Sem-1	Human Values and Ethics	4	AVIGYATA SARKAR KM PREETI DEVI HUMA NAAZ SMRUTY SHUDHA PRADHAN
4	Sem-1	Computer Applications in Business	3	AVIGYATA SARKAR KM PREETI DEVI PAYAL BHUSARI
5	Sem-1	Introduction to Theory of Psychology	2	PAYAL BHUSARI SAYYAD MOHAMMAD HAMMAD
6	Sem-1	Indian Writing in English	1	SMRUTY SHUDHA PRADHAN

SLOW LEARNER ACTIVITIES

The department implemented the following measures to help slow learners do better overall:

1. Held the remedial classes (twice a week for three weeks) in accordance with the schedule listed below.
2. Offer study materials on relevant topics.
3. Offer twice-weekly counselling sessions.
4. Library period.
5. Conducted tests each week after going over certain material.



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Dept. of Humanities & Social Sciences
Quantum University, Roorkee



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DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

NOTICE FOR REMEDIAL CLASSES

Dated: October 3rd, 2019

As per the evaluation of the Mid-Term examination conducted by the Department of Humanities & Social Sciences, some students have been identified as slow and advanced Learners.

For the improvement of the Slow Learner's, department has decided to conduct the remedial classes for 2 weeks(2 days in a week).

So all the slow learner students must attend these classes. It is mandatory for all slow learners.

Timetable is put on the notice board.

Neeta

Ms. Neeta Sharma
Coordinator,
Quantum School of Graduate Studies
Quantum University, Roorkee
Uttarakhand

CC to:

- 1) Hon'ble Chancellor for information.
- 2) Hon'ble Vice Chancellor for information.
- 3) Hon'ble Pro-Vice Chancellor for information.
- 4) Directors (QST & QSB)
- 5) All faculty members, Academics Coordinator, System Admin, ERP.
- 6) All notice Board.

Neeta

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Time Table For Remedial Classes

Remedial Classes for Slow learners

Time Table(2019-20)			
Program: Bachelor of Arts			
		Year/Sem	1st/I Sem
Date/Day	Time	Subject	
12/10/2019	2:30-3:10pm	Communicative English	
	3:10-3:50pm	Fundamental Psychological Processes-I	
	3:50-4:30pm	Computer Applications in Business	
16/10/2019	2:30-3:10pm	Communicative English	
	3:10-3:50pm	Introduction to Theory of Psychology	
	3:50-4:30pm	Indian Writing in English	
19/10/2019	2:30-3:10pm	Computer Applications in Business	
	3:10-3:50pm	Fundamental Psychological Processes-I	
	3:50-4:30pm	Human Values and Ethics	
23/10/2019	2:30-3:10pm	Human Values and Ethics	
	3:10-3:50pm	Introduction to Theory of Psychology	
	3:50-4:30pm	Indian Writing in English	

Topics of Remedial Classes

Bachelor of Arts		
Topics of Remedial Class (Semester 1 st Sem)		
Session:2019-20		
S. No.	Subject Name	Topic
1	Communicative English	Communication Process; Language as a Tool of Communication; Levels of Communication, Flow of Communication-vertical, horizontal,
2	Fundamental Psychological Processes-I	Cognitive Psychology-meaning and definition, the domains of Cognitive Psychology
3	Computer Applications in Business	Types and Applications of computers, Input/output Devices, Computer Memories
4	Indian Writing in English	Write a critical note of Indian society in the context of Kanthapura by Raja Rao
5	Introduction to Theory of Psychology	Write a note on fundamentals of Psychology
6	Human Values and Ethics	Understanding the need, basic guidelines, content and process of Value Education

Neeta S

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Quantum University, Roorkee

Ashu

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SLOW LEARNER REPORT

In the 2019–20 end-of-semester examinations, the student's academic performance increased after the remedial classes were held.

Improvement in marks after the Remedial Classes

Student ID	Student Name	Course	Communicative English (Out of 60)	Fundamental Psychological Processes-I (Out of 60)	Human Values and Ethics (Out of 60)	Computer Applications in Business (Out of 60)	Introduction to Theory of Psychology (Out of 60)
19250007	AVIGYATA SARKAR	Specilization in Psychology		39	32	30	
19250001	KAUSHIK HIMRAL	Specilization in Psychology		31			
19250005	KM PREETI DEVI	Specilization in Psychology		33	30	39	
19250002	PAYAL BHUSARI	Specilization in Psychology				37	48
19250006	SAYYAD MOHAMMAD HAMMAD	Specilization in Psychology		35			A
19230001	BHARTI PUNDIR	Specilization in English	31				
19230002	HUMA NAAZ	Specilization in English	31	37	30		
19230007	SHRISHTY KUMARI	Specilization in English	37	A	24		

1923000 8	SMRUTY SHUDHA PRADHAN	Specilizi on in English	37	39	31		
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Result: From the above result, it is observed that remedial classes helped the students to improve their marks as well as knowledge in their subject. Also remedial teaching materials for slow learners can help the students to comprehend new concepts and advance their knowledge.



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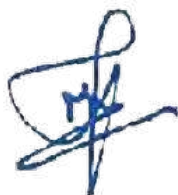
SLOW LEARNER'S REPORT

DEPARTMENT OF MECHANICAL ENGINEERING

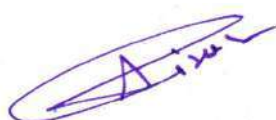
SESSION 2019-20



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QUANTUM UNIVERSITY, ROORKEE**



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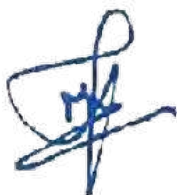
The Department of Mechanical Engineering identified some slow learners for the fourth semester according to the results of the second sessional exams: students who obtained less than 40% in different subjects.

Bachelor of Technology in Mechanical Engineering					
Marks of 2 nd Sessional (2019-20) (Online Conducted)					
Semester-4 th					
Student ID	Student Name	Subject Name			
		Thermal Engineering (Out of 25)	Electrical Machines and Control (Out of 25)	Production Technology (Out of 25)	Theory of Machines (Out of 25)
18010105011	AEHTAJAZ AHMED	16	18	22	18
18010102014	AKASH BHATT	13	18	21	19
18010102003	ANKIT SONI	15	15	20	18
18010102004	ANSHU	14	17	22	19
18010102021	CHANDAN JHA	5	19	0	14
18010102005	CHANDAN RANA	12	17	16	18
18010102006	DIVYANSH SATI	17	18	22	20
18010102007	GANESH SHARMA	15	17	19	19
18010102008	HRISABH RAJ	14	17	21	21
18010102016	MUKUL TYAGI	13	17	20	21
18010102010	PRADEEP RAWAT	15	15	19	18
18010102018	ROHIT KUMAR OJHA	18	19	21	19
18010511013	ROSHIF	14	17	18	19
18010105009	SARTHAK	17	16	23	20
18010102020	SHANTANU	13	18	18	17
18010102011	SHIVANSH VASHISTHA	16	18	23	24
18010102012	SUHAIL ALI	15	16	22	19
18010102013	SURESH KUMAR	20	19	22	17
19030257	VIKRANT TYAGI	17	16	20	20

Table: Second Sessional Marks of Students

Department has identified Slow learner Students those who are Yellow Highlighted (on the behalf of who carry less than 40% marks in second sessional exam (Online due to Covid-19).

List of Slow Learners				
Bachelor of Technology in Mechanical Engineering				
S.No.	Semester	No. of Students Identified	Name of Students	Subject Name (Subject Code)
1	SEM-4	01	Chandan Jha	Thermal Engineering (ME3401)
2		01	Chandan Jha	Production Technology (ME3403)



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DEPARTMENT OF MECHANICAL ENGINEERING

NOTICE FOR REMEDIAL CLASSES


Dated: 11/05/2020

As per the evaluation of the sessional examination conducted by the Department of mechanical engineering some students have been identified as slow and advanced Learners.

For the improvement of the Slow Learner's, department has decided to conduct the remedial classes (**Online due to Covid-19**) for 3 weeks (2 days in a week).

So all the slow learner students must attend these classes. It is mandatory for all slow learners.

Timetable shared with students through Whatsapp.



Mr. M. Kannan
Head of Department of Mechanical Engineering
Quantum University, Roorkee
Uttarakhand



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Dept. of Mechanical Engineering
Quantum University, Roorkee



Department has taken the few steps to improve the performance of slow learner, as follows:

- Organized the Remedial classes (**Online due to Covid-19**) so that their problems can be addressed and teacher can closely analyze the student's shortcomings and guide them properly to be on the right track.
- Provided special online assignments of a specific subject.
- Subject Teacher gave supplementary study material to the students.
- Provide youtube links to the students.



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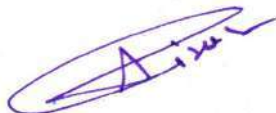
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Time Table for Remedial Classes

Remedial Classes (Online due to Covid-19) (for Slow Learner)			
Time Table (2019-20)			
Program : Bachelor of Technology			
Branch : Mechanical Engineering			
Semester : 4 th			
Date/Day	Time	Subject Name	Name of Faculty
13-05-20 Wednesday	2:30-3:10 PM	Thermal Engineering	H.K. Nagwan
	3:10-3:50 PM	Production Technology	Vivek Sharma
16-05-20 Saturday	2:30-3:10 PM	Production Technology	Vivek Sharma
	3:10-3:50 PM	Thermal Engineering	H.K. Nagwan
20-05-20 Wednesday	2:30-3:10 PM	Thermal Engineering	H.K. Nagwan
	3:10-3:50 PM	Production Technology	Vivek Sharma
23-05-20 Saturday	2:30-3:10 PM	Thermal Engineering	H.K. Nagwan
	3:10-3:50 PM	Production Technology	Vivek Sharma



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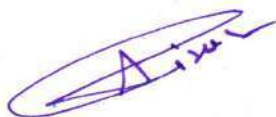


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DETAILS OF SLOW LEARNERS (2019-20 Session)		
S.No.	Class	Topics
1.	Bachelor of Technology in Mechanical Engineering 4th semester	<p style="text-align: center;"><u>Thermal Engineering</u></p> <p>Heat Transfer- Different Modes of Heat Transfer, Effect of Temperature on Thermal Conductivity, General Equation in Different Coordinates, One Dimensional Steady State Heat Conduction</p>
		<p style="text-align: center;"><u>Production Technology</u></p> <p>Casting, Advantages, Limitations and Applications of Casting Process , Welding Classifications, Gas Welding and Its Types</p>



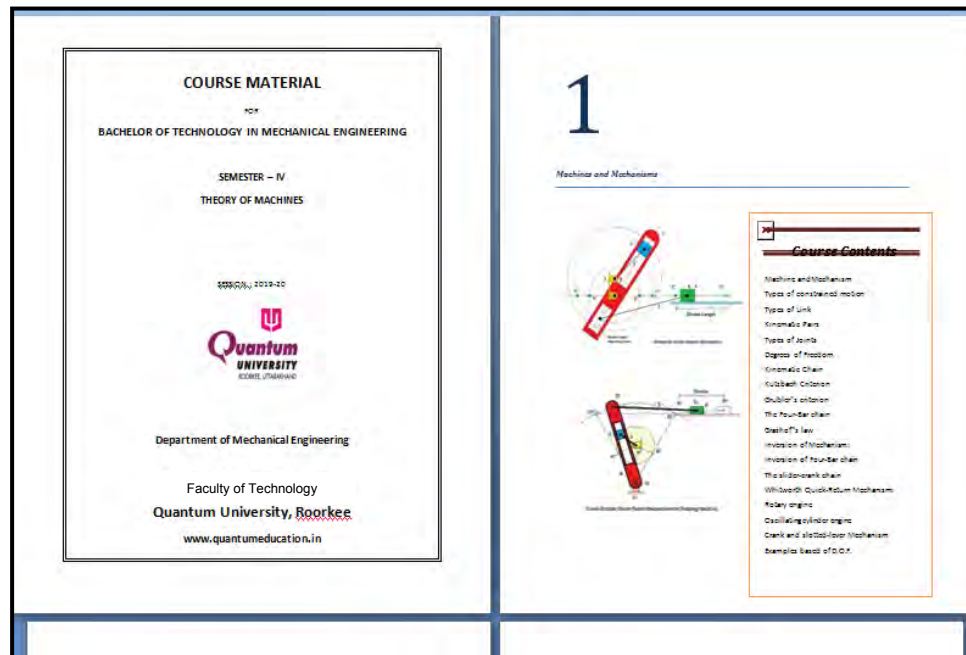
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Proofs are attached below for slow learner:



Machine and Mechanism:-

☐ Mechanism:

- If a number of bodies are assembled in such a way that the motion of one causes constrained and predictable motion to the others, it is known as a *mechanism*.

☐ Machine:

- A *machine* is a mechanism or a combination of mechanisms which, apart from imparting definite motions to the parts, also transmits and modifies the available mechanical energy into some kind of desired work.

☐ Analysis:

- *Analysis* is the study of motions and forces concerning different parts of an existing mechanism.

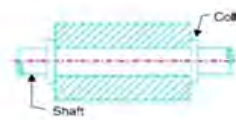
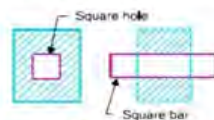
☐ Synthesis:

- *Synthesis* involves the design of its different parts.

Types of constrained motion:

Completely constrained motion:

- When the motion between a pair is limited to a definite direction irrespective of the direction of force applied, then the motion is said to be a completely constrained motion.
- For example, the piston and cylinder (in a steam engine) form a pair and the motion of the piston is limited to a definite direction (i.e. it will only reciprocate) relative to the cylinder irrespective of the direction of motion of the crank.



- The motion of a square bar in a square hole, as shown in Fig. 1.1, and the motion of a shaft with collars at each end in a circular hole, as shown in Fig. 1.2, are also examples of completely constrained motion.

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Kinematic pairs according to nature of contact:

- a. **Lower Pair:**
 - o A pair of links having surfaced or area contact between the members is known as a lower pair. The contact surfaces of two links are similar.
 - o Examples: Nut turning on a screw, shaft rotating in a bearing.
- b. **Higher Pair:**
 - o When a pair has a point or line contact between the links, it is known as a higher pair. The contact surfaces of two links are similar.
 - o Example: Wheel rolling on a surface, Cam and Follower pair etc.

Kinematic pairs according to nature of contact:

- a. **Closed Pair:**
 - o When the elements of a pair are held together mechanically, it is known as a closed pair. The two elements are geometrically identical; one is solid and full and the other is hollow or open. The latter not only envelopes the former but also encloses it. The contact between the two can be broken only by destruction of at least one of the members.
- b. **Unclosed Pair:**
 - o When two links of a pair are in contact either due to force of gravity or some spring action, they constitute an unclosed pair. In this, the links are not held together mechanically, e.g. cam and follower pair.

Kinematic pairs according to Nature of Relative Motion:

- a. **Sliding pair:**
 - o When two links have a sliding motion relative to another, the kinematic pair is known as sliding pair.
- b. **Turning pair:**
 - o When one link is revolve or turn with respect to the axis of first link, the kinematic pair formed by two links is known as turning pair.
- c. **Rolling pair:**
 - o When the links of a pair have a rolling motion relative to each other, they form a rolling pair.
- d. **Screw pair:**
 - o If two mating links have a turning as well as sliding motion between them, they form a screw pair.
- e. **Spherical pair:**
 - o When one link in the form of sphere turns inside a fixed link, it is a spherical pair.

Types of Joint:

- The usual types of joints in a chain are:
 - o Binary Joint
 - o Ternary Joint
 - o Quaternary Joint

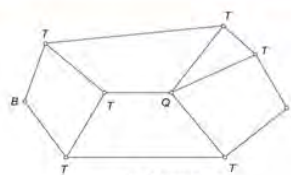


Fig.1.5 Types of joint

a. Binary Joint:

- o If two links are joined at the same connection, it is called a binary joint. For example, in fig. at joint B.

b. Ternary Joint:

- o If three links joined at a connection, it is known as a ternary link. For example point T in fig.

c. Quaternary Joint:

- o If four links joined at a connection, it is known as a quaternary link. For example point Q in fig.

Degrees of Freedom:

- An unconstrained rigid body moving in space can describe the following independent motion:

- a. Translational motion along any three mutually perpendicular axes x, y and z.
- b. Rotational motion about these axes

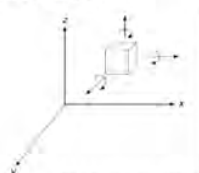


Fig.1.6 Degrees of freedom

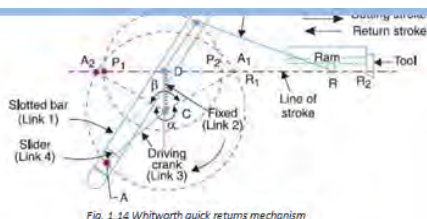


Fig. 1.14 Whitworth quick return mechanism

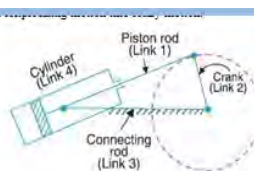


Fig. 1.15 oscillating cylinder engine

- In this mechanism, the link 3 forming the turning pair is fixed. The link 3 corresponds to the connecting rod of a reciprocating steam engine mechanism. When the crank (link 2) rotates, the piston attached to piston rod (link 1) reciprocates and the cylinder (link 4) oscillates about a pin pivoted to the fixed link at A.

Crank and slotted-lever Mechanism

- This mechanism is mostly used in shaping machines, slotting machines and in rotary internal combustion engines.
- In this mechanism, the link AC (i.e. link 3) forming the turning pair is fixed, as shown in Fig. The link 3 corresponds to the connecting rod of a reciprocating steam engine. The driving crank CB revolves with uniform angular speed about the fixed center C. A sliding block attached to the crank pin at B slides along the slotted bar AP and thus causes AP to oscillate about the pivoted point A.
- A short link PR transmits the motion from AP to the ram which carries the tool and reciprocates along the line of stroke R1R2. The line of stroke of the ram (i.e. R1R2) is perpendicular to AC produced.



Example based on Degrees of Freedom:

- For the kinematic linkages shown in following fig, calculate the following:

The numbers of binary links (N_b)

The numbers of ternary links (N_t)

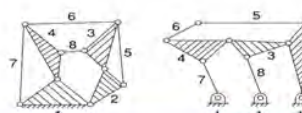
The numbers of other (quaternary) links (N_o)

The numbers of total links (n)

The numbers of loops (L)

The numbers of joints or pairs (P)

The numbers of degrees of freedom (F)



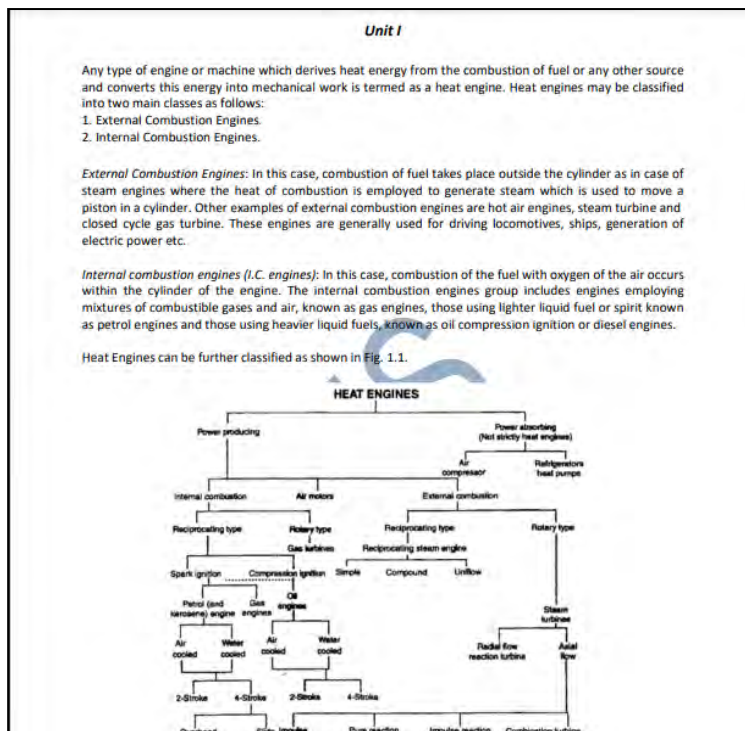
**Figure: Supplementary notes provided to the slow learner
of Thermal Engineering**

Quantum University, Roorkee
Bachelor of Technology in Mechanical Engineering
2019-22
Subject: Thermal Engineering (ME3401)
Semester-4th
Assignment-01

Note: 1. Students are advised to refer any of the reference text books to complete the assignment.
2. Students are instructed to give only appropriate answer related to question.

- Q1. A can of soft drink at room temperature is put into the refrigerator so that it will cool. Would you model the can of soft drink as a closed system or as an open system? Explain.
- Q2. A pressure gage connected to a tank reads 500 kPa at a location where the atmospheric pressure is 94 kPa. Determine the absolute pressure in the tank.
- Q3. A gas in a piston cylinder device is compressed, and as a result its temperature rises. Is this a heat or work interaction?

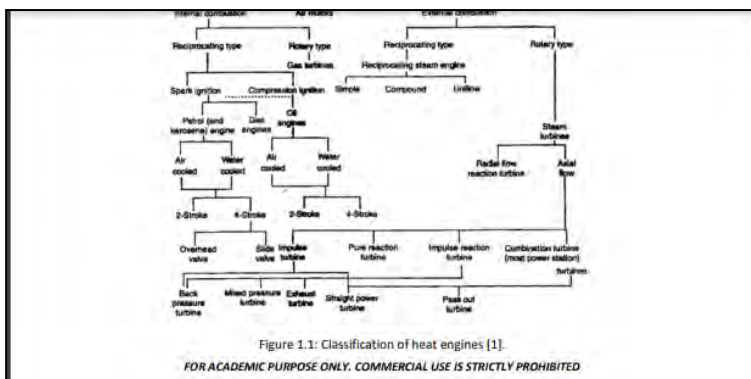
Figure: Assignment given to the Slow Learner



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Four-Stroke Engine	Two-Stroke Engine
The thermodynamic cycle is completed in four strokes of the piston or in two revolutions of the crankshaft. Thus, one power stroke is obtained in every two revolutions of the crankshaft.	The thermodynamic cycle is completed in two strokes of the piston or in one revolution of the crankshaft. Thus one power stroke is obtained in each revolution of the crankshaft.
Because of the above, turning moment is not so uniform and hence a heavier flywheel is needed.	Because of the above, turning moment is more uniform and hence a lighter flywheel can be used.
Again, because of one power stroke for two revolutions, power produced for same size of engine is less, or for the same power the engine is heavier and bulkier.	Because of one power stroke for every revolution, power produced for same size of engine is twice, or for the same power the engine is lighter and more compact.
Because of one power stroke in two revolutions lesser cooling and lubrication requirements. Lower rate of wear and tear.	Because of one power stroke in one revolution greater cooling and lubrication requirements. Higher rate of wear and tear.
Four-stroke engines have valves and valve actuating mechanisms for opening and closing of the intake and exhaust valves.	Two-stroke engines have no valves but only ports (some two-stroke engines are fitted with conventional exhaust valve or reed valve).
Because of comparatively higher weight and complicated valve mechanism, the initial cost of the engine is more.	Because of light weight and simplicity due to the absence of valve actuating mechanism, initial cost of the engine is less.
Volumetric efficiency is more due to more time for induction.	Volumetric efficiency is low due to lesser time for induction.
Thermal efficiency is higher; part	Thermal efficiency is lower; part

Figure: Notes provided to the Slow Learner

of

Production Technology

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SLOW LEARNER REPORT

(AFTER CONDUCTION OF ONLINE REMEDIAL CLASSES)

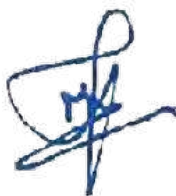
It is analyzed that student's academic performance was improved in the End Semester Examination 2019-20 after the conduction of remedial classes.

END SEMESTER EXAMINATION MARKS

Bachelor of Technology in Mechanical Engineering				
Session: 2019-20				
End Term Online Examination Marks (Max. Marks: 60)				
Semester: 4 th				
S.No.	Student_ID	Student_Name	Thermal Engineering (ME3401) (Out of 60)	Production Technology (ME3403) (Out of 60)
1.	18010102021	CHANDAN JHA	33	41

Impact Observed:

After the End Semester Examination (Online), it is observed that remedial classes helped the students to improve their marks as well as knowledge in their subject.



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