



Criterion II – Teaching-Learning and Evaluation

Key Indicator: 2.2 Catering to Student Diversity

Identification of Advanced learners and Slow learners- Samples

S.No	Course Code	Course Title	Academic Year	Page No
1.	0AEPE432	Air Traffic Control and Airport Management	2021-22	2
2.	1CSBS201	Discrete Mathematics	2021-22	16
3.	1MEPC209	Fluid Mechanics	2020-21	39
4.	1AEBS101	Applied Mathematics I	2021-22	58
5.	0BSES103	Basic Electrical Engineering	2017-18	78
6.	0EEPC209	DC Machines and Transformers	2019-20	97
7.	0FTES207	Fluid mechanics	2021-22	110



OAEPE432-Air Traffic Control and Airport Management

Air Traffic Control and Airport Management requisite

Attend all the questions. This will not be considered for ISE or MSE activities. This is to know about the basics of previous semester subjects.

* Required

1. Name *

2. URN Number *

3. Class *

Mark only one oval.

☐ S.Y Aero

☐ T.Y Aero

☐ Final Aero

4. Tick the ground navigation facilities available? *

2.00010

Check all that apply

☐ Very High frequency Omni directional range (VOR)

☐ Aircraft direction finder (ADF)

☐ Transponder

☐ Altimeter

☐ Instrument landing system (ILS)

☐ Global Positioning System

☐ Dead Reckoning system

☐ Vertical speed indicator



5. The altitude of the aircraft is calculated by means of *

1 point

Mark only one oval.

- ☐ Static pressure
- ☐ Pitot pressure
- ☐ Dynamic pressure
- ☐ all of the above

6. In which aircraft cockpit instrument shows the climb and descend speed of the aircraft?

1 point

Mark only one oval.

- ☐ Altimeter
- ☐ Mach Indicator
- ☐ Vertical speed indicator
- ☐ magnetic compass

7. What is the function of RADAR? *

1 point

Mark only one oval.

- ☐ Identify the aircraft
- ☐ Getting the information of aircraft
- ☐ Knowing aircraft direction, altitude and speed of the aircraft
- ☐ All of the above

8. RADAR is *

1 point

Mark only one oval.

- ☐ Radio Detection and Ranging
- ☐ Radio Defect and Ranging
- ☐ Ranging Detection and Receiver
- ☐ Receiver Detection and Ranging



9. How many runway does Chhatrapati Shivaji Maharaj International airport have?

Mark only one oval.

- 1
- 2
- 3
- 4

10. Which cockpit instrument shows altitude reading? *

Mark only one oval.

- Vertical speed indicator
- Mach indicator
- Altimeter
- Gyroscope

11. ATC stands for *

Mark only one oval.

- Air Traffic Controller
- Air Traffic Coordinator
- Air Transport Controller
- Air Transport Coordinator



12. Mostly aircraft during landing and takeoff from the runway it flies direction

Mark only one oval.

☐ to the crosswind

☐ opposite

☐ same

☐ any

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Sant Dynaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering and Technology, Ashta

(Approved by AICTE, New Delhi, Gov. of Maharashtra, and affiliated to Shivaji University Kolhapur)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Slow and Fast learners

Class: B.Tech

Course: Air Traffic Control & Airport Management Course Code: OAEPE432

Academic Year: 2021-22 (Even)

Pre-requisite Test

Sr. No.	Roll NO	URN	Name of the student	marks obtained in pre-requisite test (X)	Z score $[Z = (x - \mu) / \sigma]$	Weak (Z<-1) /Average/ Bright(Z>1)
1	4001	18171001	DAVARE CHANDRAKANT ASHOK	5	-0.77942753	Average
2	4002	18171002	NIMBALKAR SHRADDHA MOHAN	7	-0.06453859	Average
3	4003	18171003	PATIL PRANAV ASHOK	7	0.471628122	Average
4	4004	18171004	PATIL SHUBHAM RAVINDRA	8	0.739711475	Average
5	4005	18171005	GUNJAL SHUBHAM DATTATRAY	6	-0.60070529	Average
6	4006	18171006	KUMBHAR MADHURA RAJENDRA	6	-0.24326082	Average
7	4007	18171007	GHONE VINAYAK MARUTI	6	-0.51134417	Average
8	4008	18171009	SHEJWAL VISHAL SANJAY	9	1.722683771	Bright
9	4009	18171010	JYOTSHNA DHANANJAY ALHAT	7	0.114183651	Average
10	4010	18171011	KHATAVKAR NISHANT SANJAY (IL)	5	-1.22623312	Weak
11	4011	18171012	HAMBIR SACHIN SURESH	6	-0.60070529	Average
12	4012	18171013	SHWETA SWAMINATH MELKUNDE	7	0.024822533	Average
13	4013	18171014	JADHAV RAJVARDHAN YASHWANT (IL)	6	-0.24326082	Average
14	4014	18171017	JADHAV SHRUTIKA SUHAS (IL)	5	-1.04751088	Weak
15	4015	18171018	PATIL POOJA ANIL (AC)	6	-0.1538997	Average
16	4016	18171019	JADHAV VAISHNAVI SAMBHAJI (AC)	8	0.56098924	Average
17	4017	18171020	SHUKLA SHYAMSHANKAR SHASHIKANT	8	0.56098924	Average
18	4018	18171021	BHUJGADE GAURI SAMBHAJI	7	0.203544768	Average
19	4019	18171022	TANANGE ABHIMANYU MALLIKARJUN	9	1.275878182	Bright
20	4020	18171023	NETRADIPAK SUDHAKAR DODKE	9	1.275878182	Bright
21	4021	18171024	HARDE ANKUSH SURESH	8	1.097155946	Bright
22	4022	18171025	RAMESH SUBHASH PATIL	9	1.722683771	Bright
23	4023	18171027	TEKE PRIYANKA ASHOK	7	0.203544768	Average
24	4024	18171029	PATIL PRATIK VINAYAK (IL)	7	0.024822533	Average
25	4025	18171031	MANGLEKAR SHUBHAM NAGNATH (IL)	8	0.56098924	Average
26	4026	18171032	HALDIPUR RAKSHA ROHIDAS	7	0.203544768	Average
27	4027	18171036	BHOSALE PRATHMESH DEEPAK (AC)	6	-0.42198306	Average
28	4028	18171038	KARAVAL SAHILRAJ DATTATRAY	6	-0.24326082	Average
29	4029	18171039	THIK KARISHMA RAMCHANDRA	6	-0.69006641	Average
30	4030	18171040	NALAWADE DINESH SHIVAJI	6	-0.60070529	Average
31	4031	18171041	SHINDE VISHAL PRAKASH	4	-1.67303871	Weak
32	4032	18171042	MILPATWAR RUSHIKESH GOPAL	8	1.007794829	Bright
33	4033	18171043	DESHMUKH VEDANT ANIL	8	0.56098924	Average
34	4034	18171044	FURMALKAR VAISHNAVI ANIL	7	0.471628122	Average
35	4035	18171046	WADKAR PRATIKSHA JITENDRA (IL)	6	-0.1538997	Average
36	4036	18171047	DEVANPALLY AKSHAY KUMAR BALKRISHNA	2	-2.92409435	Weak
37	4037	18171048	TANMAY BALU GHOLAP (IL)	10	1.990767124	Bright
38	4038	18171049	HARSHVARDHAN RAJENDRA SALUNKHE (IL)	8	0.739711475	Average
39	4039	18171050	SANAP SHIVANI SATISH	7	0.292905886	Average
40	4040	18171052	CHAVAN VAIBHAV DHANAJI (IL)	7	0.382267004	Average




41	4041	18171053	SURYAWANSHI PRATIK ASHISH (IL)	6	-0.42198306	Average
42	4042	18171054	PATIL MAYUR TUKARAM (AC)	8	0.650350357	Average
43	4043	18171055	GURAV ABHISHEK VIJAYKUMAR (IL)	9	1.722683771	Bright
44	4044	18171056	MOHAMMAD OWAIS ABDUL SATTAR (RE)	9	1.633322653	Bright
45	4046	18171058	MUJAWAR ASHRAF ALJAR (AC)	5	-0.77942753	Average
46	4047	18171059	KASURDE GAURAV KISAN (AC)	8	0.650350357	Average
47	4048	18111166	PATIL RUSHIRAJ BABASAHEB	7	-0.06453859	Average
48	4049	18131044	SALUNKHE VARUN VIJAY	7	0.114183651	Average
49	4050	18161020	MANE NIKHIL PARSHURAM	7	0.024822533	Average
50	4051	18111181	SHAIKH KAZIM BADSHAHA	6	-0.33262194	Average
51	4052	18121004	JADHAV SHREYA YASHWANTRAO	8	0.829072593	Average
52	4054	17171044	MANE SHANTANU SURESH	4	-1.58367759	Weak
53	4055	17171045	SURYAWANSHI KISHAN PRAKASH	3	-2.47728877	Weak
54	4056	17171003	BOTE PRAMILA MARUTI	7	0.382267004	Average
55	4057	19172001	MANE SHANKAR VISHNU	6	-0.24326082	Average
56	4058	19172002	SALOKHE RUTURAJ VILAS	7	0.203544768	Average
57	4059	19172003	HATKAR AKASH SHANKAR	8	0.918433711	Average
58	4060	19172004	GHADAGE GANESH VISHNU	6	-0.42198306	Average
59	4061	19172005	NALE PRITEE DATTATRAY	7	0.292905886	Average
60	4062	19172006	DHANLOBHE MAYURI MAHADEV	7	0.292905886	Average
61	4063	19172007	BHOSAKAR SAURABH SUKUMAR	7	0.114183651	Average
62	4064	19172008	SANKET SURESH REVANKAR	8	0.918433711	Average
63	4065	19172009	ANSARI FAZAL ISHTIYAQ	6	-0.1538997	Average
64	4066	17171002	VRUSHABH UDAY BHOSALE	9	1.3652393	Bright
65	4067	17171046	TAMBOLI ASHRAF JAVED	2	-2.74537212	Weak
66	4068	17171053	YOGESH DANDWADE	6	-0.42198306	Average
67	4069	18172001	SALUNKE ABHIJIT SAUDAGAR	4	-1.40495535	Weak
68	4070	17171060	KARDILE NIKHIL DILIP	4	-1.49431647	Weak
69	4071	17171011	VIKAS SHANKAR GALAVE	4	-1.85176094	Weak
70	4072	19176096	DALWAI RANJIT RAMCHANDRA	6	-0.42198306	Average
71	4073	17171058	ROHIT RAJGONDA KHOLKUMBE	7	0.292905886	Average
72	4074	18172003	VAISHNAVI PUNDLIK SONBARSE	7	0.382267004	Average


Course Coordinator


Academic Incharge




HoD (Aeronautical)

Sant Dynaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering and Technology, Ashta

(Approved by AICTE, New Delhi, Gov. of Maharashtra, and affiliated to Shivaji University Kolhapur)



DEPARTMENT OF AERONAUTICAL ENGINEERING

Weak and Bright Students



Class: B.Tech

Course: Air Traffic Control & Airport Management Course Code: 0AEPE432

Academic Year: 2021-22 (Even)

Activities for slow learener students

Sr. No.	Name of activity	Planned date	Conducted date
1	Extra Lecture	12-01-22	12/1/22
2	Extra Lecture	02-02-22	2/2/22
3	Extra Lecture	23-02-22	25/2/22
4	Extra Lecture	17-03-22	16/3/22
5	Extra Lecture	08-04-22	8/4/22
6	Extra Lecture	15-04-22	15/4/22

Course Co-ordinator

Academic Incharge

N. V. Ravi
HoD (Aeronautical)





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DEPARTMENT OF AERONAUTICAL ENGINEERING

Slow and Fast learners

Class: B.Tech

Course: Air Traffic Control & Airport Management Course Code: 0AEPE432

Academic Year: 2021-22 (Even)

Slow learner students - extra lecture attendance

Sr. No.	Roll No	URN	Name of the student	12-01-22	02-02-22	25-02-22	16-03-22	08-04-22	15-04-22
1	4010	18171011	KHATAVKAR NISHANT SANJAY (IL)	N. Khata	N. Khata	AB	N. Khata	AD	N. Khata
2	4014	18171017	JADHAV SHRUTIKA SUHAS (IL)	Shrutika	Shrutika	AB	Shrutika	AB	Shrutika
3	4031	18171041	SHINDE VISHAL PRAKASH	V. Shinde	V. Shinde	AB	V. Shinde	AB	V. Shinde
4	4036	18171047	DEVANPALLY AKSHAY KUMAR BALKRISHNA	A. Devan	A. Devan	AB	A. Devan	AB	A. Devan
5	4054	17171044	MANE SHANTANU SURESH	M. Mane	M. Mane	AB	M. Mane	AB	M. Mane
6	4055	17171045	SURYAWANSHI KISHAN PRAKASH	S. Suryaw	S. Suryaw	AB	S. Suryaw	AB	S. Suryaw
7	4067	17171046	TAMBOLI ASHRAF JAVED	A. Tamboli	A. Tamboli	AB	A. Tamboli	AB	A. Tamboli
8	4069	18172001	SALUNKE ABHJIT SAUDAGAR	A. Salunke	A. Salunke	AB	A. Salunke	AB	A. Salunke
9	4070	17171060	KARDILE NIKHIL DILIP	N. Kardile	N. Kardile	AB	N. Kardile	AB	N. Kardile
10	4071	17171011	VIKAS SHANKAR GALAVE	V. Galave	V. Galave	AB	V. Galave	AB	V. Galave

Course Coordinator

Academic Incharge

HoD (Aeronautical)





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DEPARTMENT OF AERONAUTICAL ENGINEERING

Slow and Fast learners

Class: B.Tech Course: Air Traffic Control & Airport Management Course Code: 0AEPE432

Academic Year: 2021-22 (Even)

List of slow learner students

List of Weak students				Marks obtained in Exams			
Sr. No.	Roll NO	URN	Name of the student	ISE1	MSE	ISE 2	ESE
1	4010	18171011	KHATAVKAR NISHANT SANJAY (IL)	5	9	9	26
2	4014	18171017	JADHAV SHRUTIKA SUHAS (IL)	5	9	4	14
3	4031	18171041	SHINDE VISHAL PRAKASH	5	9	8	23
4	4036	18171047	DEVANPALLY AKSHAY KUMAR BALKRISHNA	6	15	4	33
5	4054	17171044	MANE SHANTANU SURESH	4	12	7	20
6	4055	17171045	SURYAWANSHI KISHAN PRAKASH	4	10	6	10
7	4067	17171046	TAMBOLI ASHRAF JAVED	4	10	4	9
8	4069	18172001	SALUNKE ABHIJIT SAUDAGAR	4	10	8	24
9	4070	17171060	KARDILE NIKHIL DILIP	4	17	8	20
10	4071	17171011	VIKAS SHANKAR GALAVE	4	6	7	12

Course Co-ordinator

Academic Incharge



N.V.P.
HoD (Aeronautical)

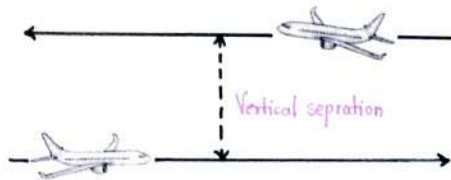
Separation Techniques of Aircraft.

Separation [Concept of keeping an aircraft outside a minimum distance from another aircraft]

Vertical Separation

→ Airspace between 29000 and 41000 feet
(12500 m)

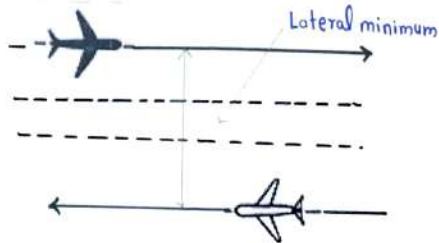
→ Aircraft with modern tools
Separated by 1000 feet (300m)



Horizontal Separation. (Separated by less than the vertical separation)

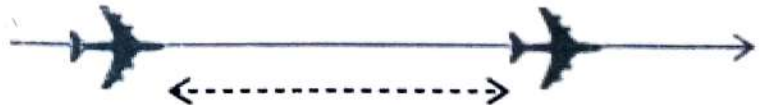
Lateral Separation

- Separation based on position of aircraft.
- Usually from internal navigation sources, Or from radio navigation.



Longitudinal Separation.

- Spacing between the estimated position of the aircraft.
- Aircraft following same track maintained by application of speed control
- Longitudinal Separation based on Time.
- Time based separation based on position information by Controller-pilot Data Link Communication.



Longitudinal Separation





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AICTE

DEPARTMENT OF AERONAUTICAL ENGINEERING

Weak and Bright Students

Class: B.Tech

Course: Air Traffic Control & Airport Management Course Code: OAEPE432

Academic Year: 2021-22 (Even)

List of fast learner students

Sr. No.	Roll NO	URN	Name of the student
1	4008	18171009	SHEJWAL VISHAL SANJAY
2	4019	18171022	TANANGE ABHIMANYU MALLIKARJUN
3	4020	18171023	NETRADIPAK SUDHAKAR DODKE
4	4021	18171024	HARDE ANKUSH SURESH
5	4022	18171025	RAMESH SUBHASH PATIL
6	4032	18171042	MILPATWAR RUSHIKESH GOPAL
7	4037	18171048	TANMAY BALU GHOLAP (IL)
8	4043	18171055	GURAV ABHISHEK VIJAYKUMAR (IL)
9	4044	18171056	MOHAMMAD OWAIS ABDUL SATTAR (RE)
10	4066	17171002	VRUSHABH UDAY BHOSALE

Course Co-ordinator

Academic
Incharge

N. V. R.

HoD (Aeronautical)





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ADCE

DEPARTMENT OF AERONAUTICAL ENGINEERING

Weak and Bright Students

Class: B.Tech

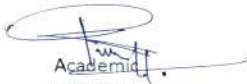
Course: Air Traffic Control & Airport Management Course Code: OAEPE432


Academic Year: 2021-22 (Even)

Activities for fast learner students

Sr. No.	Name of activity	Planned date	Conducted date
1	Seminar	13-01-22	31/1/22
2	Group Presentation	03-02-22	03/2/22
4	Assignment	28-03-22	28/3/22
5	Drawing Activity	05-04-22	05/4/22


Course Co-ordinator


Academic
Incharge


HoD (Aeronautical)



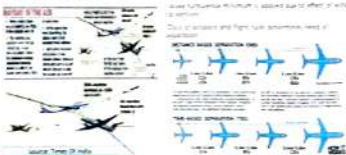
Topic	Ref No.
Threats & Hazards	407
Prevention & Mitigation	407

Source: Civil Aviation Authority, UK

Separation of Aircraft

AIR TRAFFIC CONTROL & AIRPORT MANAGEMENT
SEM 1, POWER PRESENTATION

Why Separation?



Vertical Separation

AT OR BELOW FL 410 (4000 FEET)

AT OR ABOVE FL 410 (4000 FEET)

AT OR ABOVE FL 410 (4000 FEET)

AT OR ABOVE FL 410 (4000 FEET)

AT OR ABOVE FL 410 (4000 FEET)

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ADCEC

ABOVE FL 410 (4000 FEET)

2000 FEET

Horizontal Separation

When aircraft are separated vertically, horizontal separation must be applied too.

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Horizontal Separation

Minimum Horizontal Separation

Minimum Horizontal Separation

Minimum Horizontal Separation

Minimum Horizontal Separation

Minimum Horizontal Separation

Minimum Horizontal Separation

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Minimum Horizontal Separation

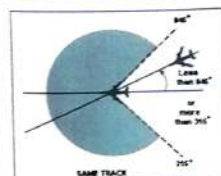
Minimum Horizontal Separation

Minimum Horizontal Separation

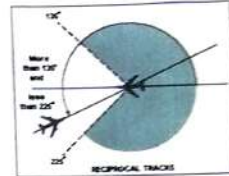
Minimum Horizontal Separation

Minimum Horizontal Separation

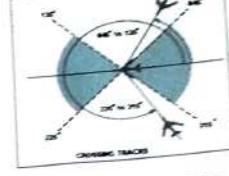
Minimum Horizontal Separation



Same track: same direction tracks and intersecting tracks or portions thereof, the angular difference of which is less than 45 degrees or more than 315 degrees, and whose protection areas overlap.



Reciprocal track: Opposite tracks and intersecting tracks or portions thereof, the angular difference of which is more than 135 degrees but less than 225 degrees, and whose protection areas overlap.

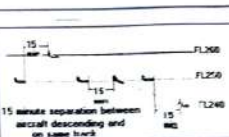


Crossing track: Intersecting tracks or portions thereof other than those specified in same and reciprocal tracks

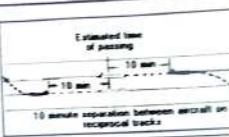
Longitudinal Separation



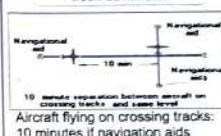
Aircraft Flying on same track: 10 minutes



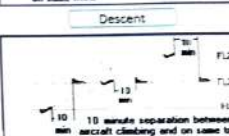
15 minute separation between aircraft on same track



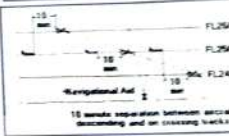
10 minute separation between aircraft on reciprocal tracks



Aircraft flying on crossing tracks: 10 minutes if navigation aids permit frequent determination of position and speed



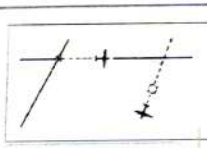
10 minute separation between aircraft descending and on same track



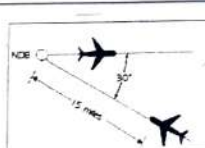
10 minute separation between aircraft descending and on crossing tracks

Longitudinal Separation

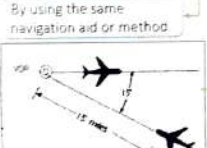
Based on Time



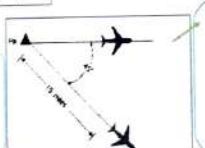
By using the same navigation aid or method



NDB: Both aircraft are established on tracks to or from the NDB, which are diverging by at least 30 degrees and at least one aircraft is 15 NM or more from the facility.



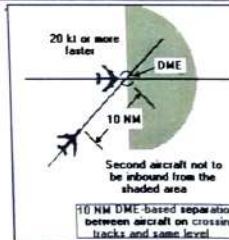
VOR: Both aircraft are established on radials diverging by at least 15 degrees and at least one aircraft is 15 NM or more from the facility.



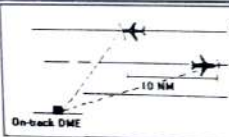
Both aircraft are established on tracks diverging by at least 45 degrees and at least one aircraft is 15 NM or more from the point of intersection of the tracks



Aircraft Flying on same track



Aircraft Flying on crossing track



Aircraft utilizing on-track DME may be cleared to climb or descend to or through the levels occupied by other aircraft utilizing on-track DME, provided that it has been positively established that the aircraft have passed each other and are at least 10 NM apart.

Aircraft Flying on reciprocal track

Longitudinal Separation

Based on Distance



1CSBS201- Discrete Mathematics



Annasaheb Dange College of Engineering and Technology, Ashta

Department of Computer Science and Engineering

Summary

1. Proficiency Test was conducted to identify the slow, average and advanced learner i. e... (SL, AVL, ADL). PT was conducted as MCQ via Google Form
Total No. of students = 62

Slow Learner	52
Average Learner	10
Advanced Learner	0

2. After ISE-I action taken on slow learner - Extra lecture conducted

Slow Learner	29
Average Learner	21
Advanced Learner	12

3. After MSE action taken on slow learner - Extra problems given to solve and discussed individually at the time of tutorial

Slow Learner	15
Average Learner	14
Advanced Learner	33

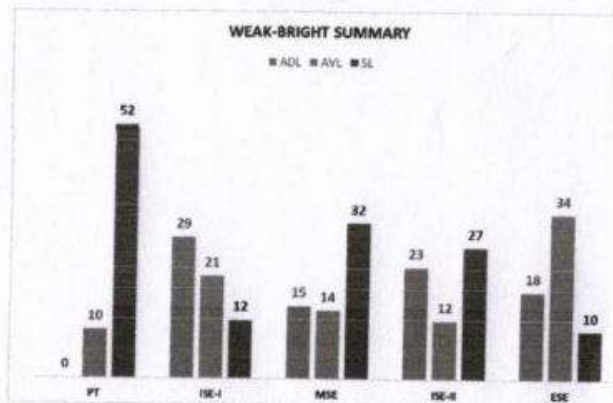
4. After ISE-II action taken on slow learner - Extra lecture conducted

Slow Learner	23
Average Learner	12
Advanced Learner	27

5. After ESE remedial coaching is taken for failed students

Slow Learner	10
Average Learner	34
Advanced Learner	18

Failed Students = 10



Ms. A. B. Shikalgar
Course In-charge



HOD, CSE

Annasaheb Dange College of Engineering and Technology AVLshta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Computer Science and Engineering

Academic Year 2020-21

Semester: Odd

Course: Discrete Mathematics 1CSBS201

Slow learner (SL)/ Average Learner (AVL)/ Advanced learner (ADL)
Students Record

Roll No	URN	Name of Student	Pre-requisite TEST marks	Phase 1		Phase 2		Phase 3		Phase 4		Remarks
				Rema rks	ISE I	Rema rks	MSE	Rema rks	ISE II	Rema rks	ESE	
2101	20131070	NIKHIL JAGANNATH MALI (IL)	4	SL	6	AVL	11	SL	7	ADL	15	SL
2102	20131071	*PANDAV NAMRATA ANIL	4	SL	6	AVL	11	SL	8	ADL	35	ADL
2103	20131072	PANDHARE PAVAN NANDKUMAR	5	SL	6	AVL	16	SL	5	SL	31	AVL
2104	20131073	PATEL ABUBAKARSIDIQ MALIKREHAN	6	AVL	7	ADL	22	ADL	8	ADL	38	ADL
2105	20131074	PATIL ANIKET SUBHASH	4	SL	7	ADL	19	AVL	8	ADL	35	ADL
2106	20131075	*PATIL ARPITA ANIL (IL)	6	AVL	7	ADL	19	AVL	7	AVL	24	AVL
2107	20131076	*PATIL NISHA MAHADEV	6	AVL	7	ADL	22	ADL	8	ADL	34	AVL
2108	20131077	*PATIL PRANAV DHANAJI	6	AVL	7	ADL	16	SL	5	SL	27	AVL
2109	20131078	*SURAVASE VAISHNAVI SUBHASH (IL)	6	AVL	5	SL	15	SL	8	ADL	28	AVL
2110	20131079	*PATIL SAMRUDDHI MANIK (EWS)	4	SL	5	SL	22	ADL	7	AVL	29	AVL
2111	20131080	*PATIL SANIKA SHANTARAM	5	SL	5	SL	13	SL	7	ADL	29	AVL
2112	20131081	PATIL SATEJ BALASO	6	AVL	5	SL	17	SL	7	AVL	36	ADL
2113	20131082	PATIL SAURABH RAMUNG	5	SL	7	ADL	23	ADL	8	ADL	37	ADL
2114	20131083	PATIL SHRIRAJ MADHUKAR	5	SL	6	AVL	9	SL	5	SL	22	AVL
2115	20131084	*PATIL SHRUTI RAVINDRA	5	SL	6	AVL	23	ADL	6	AVL	33	AVL
2116	20131085	*PATIL SNEHA SATHISH	6	AVL	5	SL	13	SL	7	ADL	29	AVL
2117	20131086	PATIL SURAJ PARASHARAM	6	AVL	5	SL	20	AVL	5	SL	28	AVL
2118	20131087	PATIL SUYESH JAYVANT (EWS)	6	AVL	5	SL	16	SL	5	SL	34	AVL
2119	20131088	*PATIL VAISHNAVI SUDHAKAR (TFWS)	5	SL	7	ADL	22	ADL	8	ADL	37	ADL

Annasaheb Dange College of Engineering and Technology AVLshta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)
Department of Computer Science and Engineering

Academic Year 2020-21

Semester: Odd

Course: Discrete Mathematics 1CSBS201

Slow learner (SL)/ Average Learner (AVL)/ Advanced learner (AVL)

Students Record

Roll No	URN	Name of Student	Pre-requisite TEST marks	Phase 1		Phase 2		Phase 3		Phase 4		Remarks
				Rema rks	ISE I	Rema rks	MSE	Rema rks	ISE II	Rema rks	ESE	
2120	20131089	*PATIL VAISHNAVI VIKAS	4	SL	7	ADL	23	ADL	7	AVL	36	ADL
2121	20131090	GHULE ADITYA ASHOK (IL)	3	SL	5	SL	8	SL	4	SL	16	SL
2122	20131091	*PATTANSHETTI SHRIYA SANJAY	4	SL	8	ADL	11	SL	5	SL	22	AVL
2123	20131092	*PAWAR MANASI SAYAJI (TFWS)	5	SL	8	ADL	22	ADL	9	ADL	42	ADL
2124	20131093	*PAWAR NISHA RAMESH	5	SL	7	ADL	22	ADL	9	ADL	37	ADL
2125	20131094	PAWAR OMKAR SANDIP	5	SL	7	ADL	17	SL	4	SL	31	AVL
2126	20131095	*PAWAR RUTUJA RAJENDRA (EWS)	5	SL	7	ADL	19	AVL	7	ADL	30	AVL
2127	20131096	PAWAR TEJAS BALKRISHNA (TFWS)	4	SL	7	ADL	16	SL	6	AVL	32	AVL
2128	20131097	PAWAR YASH SANJAY	4	SL	6	AVL	14	SL	6	SL	31	AVL
2129	20131098	*PORE SIDDHI SANJAY	4	SL	7	ADL	20	AVL	7	ADL	39	ADL
2130	20131099	PRANALI SUBHASH SURYAWANSHI (IL)	5	SL	7	ADL	13	SL	6	SL	24	AVL
2131	20131100	PRUTHVIRAJ PRABHAKAR ADLINGE	4	SL	6	AVL	20	AVL	6	AVL	29	AVL
2132	20131101	PUREKAR AJINKYA PRAMOD	4	SL	6	AVL	20	AVL	6	AVL	28	AVL
2133	20131102	*AASHIMA GUPTA (JK)	3	SL	6	AVL	21	ADL	6	SL	39	ADL
2134	20131103	REVANKAR SOM CHANDRASHEKHAR	5	SL	5	SL	14	SL	3	SL	17	SL
2135	20131104	SALAVI BHUSHAN BAJIRAO	4	SL	6	AVL	11	SL	5	SL	15	SL
2136	20131105	SALUNKE ABHJEET SANJAY (EWS)	4	SL	6	AVL	16	SL	5	SL	26	AVL
2137	20131106	SALUNKHE KUNAL KASHINATH	4	SL	5	SL	11	SL	6	AVL	27	AVL
2138	20131107	SAMEER FIROJ MULANI (IL)	3	SL	7	ADL	9	SL	5	SL	10	SL

Annasaheb Dange College of Engineering and Technology AVLshta
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Department of Computer Science and Engineering

Academic Year 2020-21

Semester: Odd

Course: Discrete Mathematics 1CSBS201

Slow learner (SL) Average Learner (AVL) Advanced learner (AVL)

Roll No	URN	Name of Student	Pre-requisite TEST marks	Phase 1		Phase 2		Phase 3		Phase 4		Remarks
				Rema rks	ISE I	Remar ks	MSE	Rema rks	ISE II	Rema rks	ESE	
2139	20131108	*SAMRUDDHI SAMBHAJI SALUNKHE (IL)	3	SL	6	AVL	14	SL	5	SL	19	SL
2140	20131109	SHAILESH MARUTI PANDHARE	5	SL	6	AVL	19	AVL	5	SL	18	SL
2141	20131110	SHINDE RAJWARDHAN RAMESH	5	SL	7	ADL	25	ADL	5	SL	30	AVL
2142	20131111	*SHINDE VAISHNAVI PRAKASH (EWS)	4	SL	7	ADL	13	SL	6	AVL	39	ADL
2143	20131113	*SHRADDHA MAHESH SAWANT (IL)	4	SL	6	AVL	11	SL	5	SL	22	AVL
2144	20131114	*ARUSHI BILLOWRIA (JK)	3	SL	5	SL	12	SL	5	SL	15	SL
2145	20131115	SURAJ NIKAM	3	SL	6	AVL	16	SL	5	SL	17	SL
2146	20131116	SURAJ RAJARAM MANE	5	SL	6	AVL	21	ADL	5	SL	25	AVL
2147	20131117	SURWASE BHAGWAT SHIVAJI	4	SL	7	ADL	19	AVL	7	ADL	24	AVL
2148	20131118	*SURYAWANSHI DHANASHRI SAYAJI	4	SL	6	AVL	22	ADL	8	ADL	44	ADL
2149	20131119	SUTAR ROHAN RAJENDRA	4	SL	8	ADL	20	AVL	7	ADL	29	AVL
2150	20131120	TAMBOLI NAEEM ABDULRAJIAK (TFWS)	5	SL	7	ADL	20	AVL	5	SL	36	ADL
2151	20131121	TIWARI AMRITESH AMBRISH	6	AVL	6	AVL	22	ADL	7	AVL	35	ADL
2152	20131122	*UNDALE SWARUPA SATISH	5	SL	7	ADL	22	ADL	8	ADL	41	ADL
2153	20131123	*VAISHNAVI RAJENDRA HANKARE	5	SL	7	ADL	19	AVL	8	ADL	26	AVL
2154	20131124	VANMORE SUYOG SURESH	3	SL	5	SL	10	SL	5	SL	20	AVL
2155	20131126	*WAGHMODE ANKITA ASHOK	4	SL	8	ADL	12	SL	7	ADL	12	SL
2156	20131127	*YADAV SANIKA VISHWAS	4	SL	7	ADL	17	SL	9	ADL	32	AVL

Annasaheb Dange College of Engineering and Technology AVLshta

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Department of Computer Science and Engineering

Academic Year 2020-21

Semester: Odd

Course: Discrete Mathematics 1CSBS201

Slow learner (SL)/ Average Learner (AVL)/ Advanced learner (AVL)
Students Record

Roll No	URN	Name of Student	Pre-requisite TEST marks	Phase 1		Phase 2		Phase 3		Phase 4		Remarks
				Remarks	ISE I	Remarks	MSE	Remarks	ISE II	Remarks	ESE	
2157	20131128	JAGADALE SATYAJIT MARTAND	6	SL	8	ADL	20	AVL	8	ADL	43	ADL
2158	20131129	GURAV RAJIV SAMPATRAO	5	SL	7	ADL	20	AVL	6	SL	31	AVL
2159	20131130	SAWAT YASH ARUN (AC)	4	SL	7	ADL	17	SL	7	ADL	36	ADL
2160	20131131	AMAN RASHID PATEL (AC)	4	SL	6	AVL	16	SL	6	SL	21	AVL
2161	20131132	AKEEL AHMAD WANI (JK)	4	SL	6	AVL	16	SL	6	SL	27	AVL
2162	20131133	SACHIN SHARMA (JK)	4	SL	6	AVL	13	SL	6	AVL	23	AVL

Count	Advanced Learner (ADL)	Initial	0		29		15		23		18
	Average Learner (AVL)		10	ISE I	21	MSE	14	ISE II	12	ESE	34
	Slow Learner (SL)		52		12		33		27		10

Strategy decided for slow, average, advanced learner

Phase 1: Based on Results

1. Individual Question Answer conducted with students who were having less scored in proficiency test

Phase 2: Based on ISE- I

1. Extra Lecture Conducted
2. Created groups of Advanced learner students with slow learner students to improve performance of slow learner students.
3. Individual Question Answer session for average performing students conducted.

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Academic Year 2020-21

Semester: Odd

Course: Discrete Mathematics 1CSBS201

Slow learner (SL)/ Average Learner (AVL)/ Advanced learner (AVL)

Students Record

Roll No	URN	Name of Student	Pre-requisite TEST marks	Phase 1		Phase 2		Phase 3		Phase 4		Remarks
				Rema rks	ISE I	Remar ks	MSE	Rema rks	ISE II	Rema rks	ESE	

Phase 3: Based on MSE

1. Extra problems given to slow learners for practice.

Phase 4: Based on ISE-II

1. Extra Lectures conducted

Justification/Remark

1. Practical Approach towards problem solving needs improvement.
2. Theory answer representation should be improved.
3. Improvement in number of Advanced learner Students: from MSE to ESE.

Details of the Record maintained for the action :

1. Hard copy related to action such as extra lectures...

Prepared by
Ms.A.B.Shikalgar



Approved by
Head of Department, CSE

Proficiency Test for Discrete Mathematics

* Required

1. Name of the student *

2. URN number *

3. Div *

Mark only one oval.

☐ A

☐ B

4. Roll number *

Multiple Choice Questions

5. 1 *

Consider the statements:

I. $A \Leftrightarrow A \vee \sim A$

II. $A \Leftrightarrow A \vee A$

III. $A \vee B \Rightarrow A$

IV. $A \Rightarrow A \vee B$

Which of the above refers to tautologies?

Mark only one oval.

☐ I and II

☐ I

☐ III

☐ II and IV

6. 2

What is logically equivalent to the following statements? "I pass only if you pass"

(Note that fail is equivalent to not pass.)

1. You pass only if I pass
2. If you fail then I fail
3. If you pass then I pass
4. You fail if I pass.

Mark only one oval.

- ☐ 1
- ☐ 2 & 3
- ☐ 2 & 4
- ☐ 2

7. 3

p is the proposition "Indian army moves back"

q is the proposition "Chinese army moves back"

r is the proposition "There is no war"

Then what is the contrapositive of the statement "If Indian army moves back and Chinese army moves back, then there is no war"

1. $\neg r \rightarrow (\neg p \rightarrow \neg q)$

2. $r \rightarrow (p \wedge q)$

3. $\neg(p \wedge q) \rightarrow \neg r$

4. $\neg r \rightarrow \neg(p \wedge q)$

Mark only one oval.

☐ 3

☐ 2

☐ 4

☐ 1

8. 4 *

The proposition $(P \Rightarrow Q) \wedge (Q \Rightarrow P)$ is a

1. tautology
2. contradiction
3. contingency
4. absurdity

Mark only one oval.

- ☐ 3
- ☐ 4
- ☐ 1
- ☐ 2

9. 5*

Let p, q, r, s represents the following propositions.

$p: x \in \{8, 9, 10, 11, 12\}$

$q: x$ is a composite number

$r: x$ is a perfect square

$s: x$ is a prime number

The integer $x \geq 2$ which satisfies $\neg ((p \Rightarrow q) \wedge (\neg r \vee \neg s))$ is _____

Mark only one oval.

☐ 8

☐ 9

☐ 10

☐ 11

10. 6 *

The statement $(\neg p) \Rightarrow (\neg q)$ is logically equivalent to which of the statements below?

- I. $p \Rightarrow q$
- II. $q \Rightarrow p$
- III. $(\neg q) \vee p$
- IV. $(\neg p) \vee q$

- 1. I only
- 2. II and IV only
- 3. II only
- 4. II and III only

Mark only one oval.

- ☐ 3
- ☐ 4
- ☐ 1
- ☐ 2

11. 7*

Let p , q , r denotes the statements "It is raining", "It is cold", and "It is pleasant", respectively. Then the statement "It is not raining, and it is pleasant, and it is not pleasant only if it is raining and it is cold" is represented by

1. $(\neg p \wedge r) \wedge (\neg r \rightarrow (p \wedge q))$

2. $(\neg p \wedge r) \wedge ((p \wedge q) \rightarrow \neg r)$

3. $(\neg p \wedge r) \vee ((p \wedge q) \rightarrow \neg r)$

4. $(\neg p \wedge r) \vee (r \rightarrow (p \wedge q))$

Mark only one oval.

☐ 1

☐ 1 & 2

☐ 2

☐ 1,3,4

12. 8*

Which of the following pairs of propositions are not logically equivalent ?

1. $((p \rightarrow r) \wedge (q \rightarrow r))$ and $((p \vee q) \rightarrow r)$
2. $p \rightarrow q$ and $(\neg p \rightarrow \neg q)$
3. $(p \rightarrow q) \wedge (q \rightarrow p)$ and $p \rightarrow q$
4. $((p \wedge q) \rightarrow r)$ and $((p \rightarrow r) \wedge (q \rightarrow r))$

Mark only one oval.

- ☐ 3
- ☐ 2
- ☐ 1
- ☐ 4

13. 9*

Which one of the following Boolean expressions is NOT a tautology?

1. $((a \rightarrow b) \wedge (b \rightarrow c)) \rightarrow (a \rightarrow c)$

2. $(a \leftrightarrow c) \rightarrow (\sim b \rightarrow (a \wedge c))$

3. $(a \wedge b \wedge c) \rightarrow (c \vee a)$

4. $a \rightarrow (b \rightarrow a)$

Mark only one oval.

☐ 1 & 2

☐ 3 & 4

☐ only 2

☐ only 4

14. 10 *

Let p , q , and r be propositions and the expression $(p \rightarrow q) \rightarrow r$ be a contradiction. Then the expression $(r \rightarrow p) \rightarrow q$ is

1. A tautology
2. A contradiction.
3. Always TRUE when p is FALSE
4. Always TRUE when q is TRUE

Mark only one oval.

- ☐ 1
- ☐ 3
- ☐ 2
- ☐ 4

15. 11. Let a , b , c , d be propositions. Assume that the equivalence $a \leftrightarrow (b \vee \neg b)$ and $b \leftrightarrow c$ hold. Then truth value of the formula $(a \wedge b) \rightarrow ((a \wedge c) \vee d)$ is always *

Mark only one oval.

- ☐ same as truth value of a
- ☐ Option 2
- ☐ true
- ☐ false

Shikalgar
/A.B. shikalgar.

Shikalgar
f HOD CSE



Sant Dnyaneshwar Shikshan Sanstha's

**Annasaheb Dange College of
Engineering and Technology, Ashta
Department of Computer Science and
Engineering**

Notice

13/10/2021

All the students whose name are attached herewith this notice are instructed to attend the extra lecture of subject Discrete Mathematics on 18th Oct 2021 at 4.15 pm sharp in classroom no.3 (for slow learners after JSE-I)

Roll no	URN	Name	Sign
2109	20131078	*SURAVASE VAISHNAVI SUBHASH (IL)	
2110	20131079	*PATIL SAMRUDDHI MANIK (EWS)	
2111	20131080	*PATIL SANIKA SHANTARAM	
2112	20131081	PATIL SATEJ BALASO	
2116	20131085	*PATIL SNEHA SATHISH	
2117	20131086	PATIL SURAJ PARASHARAM	
2118	20131087	PATIL SUYESH JAYVANT (EWS)	
2121	20131090	GHULE ADITYA ASHOK (IL)	
2134	20131103	REVANKAR SOM CHANDRASHEKHAR	
2137	20131104	SALUNKHE KUNAL KASHINATH	
2144	20131114	*ARUSHI BILLOWRIA (JK)	
2154	20131115	VANMORE SUYOG SURESH	



Course Teacher
Ms.A.B.Shikalgar

HOD/CSE



Sant Dnyaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering and Technology, Ashta Department of Computer Science and Engineering

Extra Examples to Solve

(For students who scored less marks in MSE)

Q. No.	Questions
1	What is Cartesian product of A,B sets. Show by means of example $A \times B \neq B \times A$
2	Find the probability that a single toss of a die will result in a number less than 4. If it is given that toss resulted in an odd number
3	A question paper contains three parts A,B,C with four questions in Part A, 5 questions in Part B and 6 questions in part C. It is required to answer 7 questions selecting atleast two questions from each part. In how many different ways can a student select his seven questions for answering
4	Let A be the set of factors of a particular positive integer m and let \sim be relation divides, i.e., $\sim = \{ \langle x, y \rangle \mid x \in A \text{ \& } y \in A \text{ \& } (x \text{ div } y) \}$ Draw Hasse diagram of: a) $A = \{1, 2, 3, 4, 6, 12\}$ b) $B = \{1, 3, 5, 9, 15, 45\}$
5	What are the ranges and domain of the relation, a. $S = \{ \langle x, x+5 \rangle \mid x \in \mathbb{N} \}$ b. $T = \{ \langle x-1, x+1 \rangle \mid x \in \mathbb{N} \}$ $\mathbb{N} = 1, 2, 3, \dots$ c. $U = \{ \langle x+5, x^2 \rangle \mid x \in \mathbb{N} \}$ Also find, $(S \cup T) \cap U$ and $(S \cap T) \cup U$
6	Let $A = \{1, 2, 3, 4, 5, 6, 7\}$, $R = \{ \langle x, y \rangle \mid x-y \text{ is div by } 3 \}$ Write matrix of R and sketch its graph
7	Enlist and explain the properties of Binary relation
8	Let, $f = \{ \langle x, x-2 \rangle \mid x \in \mathbb{R} \}$ $g = \{ \langle x, x-2 \rangle \mid x \in \mathbb{R} \}$ $x \in \mathbb{R}$, \mathbb{R} is real numbers $h = \{ \langle x, 3x \rangle \mid x \in \mathbb{R} \}$ find, gof , fog , hog , fohog , foh
9	Obtain PCNF of $\sim (P \rightarrow Q)$
10	What are the rules to generate Well Formed Formula? Explain with example

Shikalgar

Course Teacher
Ms.A.B.Shikalgar



11000000

Annasaheb Dange College of Engineering and Technology, Ashta Department of Computer Science and Engineering

Notice

20/12/2021

All the students whose name are attached herewith this notice are instructed to attend the extra lecture of subject Discrete Maths on 27th and 28th December 2021 at 4.15 pm sharp in classroom no.3 (for slow learners after ISE - A)

Roll no	UIN	Name	ISE_II Marks	Sign
2103	20131071	PANDHARE PAVAN NANDKUMAR	5	P. Pandhare
2108	20131077	*PATIL PRANAV DHANAJI	5	Patil
2114	20131083	PATIL SHRIRAJ MADHUKAR	5	Shadhubay
2115	20131084	*PATIL SHRUTI RAVINDRA	6	Patil
2117	20131086	PATIL SURAJ PARASHARAM	5	Patil
2118	20131087	PATIL SUYESH JAYVANT (EWS)	5	Patil
2121	20131089	GHULE ADITYA ASHOK (IL)	4	Aditya
2122	20131090	*PATTANSHETTI SHRIYA SANJAY	5	Pattanshetti
2125	20131091	PAWAR OMKAR SANDIP	4	Pawar
2127	20131092	PAWAR TEJAS BALKRISHNA (TFWS)	6	Pawar
2128	20131093	PAWAR YASH SANJAY	6	Pawar
2130	20131094	PRANALI SUBHASH SURYAWANSHI (IL)	6	Puryawanshi
2133	20131095	*AASHIMA GUPTA (JK)	6	Gupta
2134	20131096	REVANKAR SOM CHANDRASHEKHAR	3	Revankar
2135	20131097	SALAVI BHUSHAN BAJIRAO	5	Salavi
2136	20131098	SALUNKE ABHIJEET SANJAY (EWS)	5	Salunke
2137	20131099	SALUNKHE KUNAL KASHINATH	6	Salunke
2138	20131100	SAMEER FIROJ MULANI (IL)	5	Sameer
2139	20131101	*SAMRUDDHI SAMBHAJI SALUNKHE (IL)	5	Samruddhi
2140	20131102	SHAILESH MARUTI PANDHARE	5	Shailash
2141	20131103	SHINDE RAJWARDHAN RAMESH	5	Shinde
2142	20131104	*SHINDE VAISHNAVI PRAKASH (EWS)	6	Shinde
2143	20131105	*SHRADDHA MAHESH SAWANT (IL)	5	Shraddha
2144	20131106	*ARUSHI BILLOWRIA (JK)	5	Arushi





Sant Dnyaneshwar Shikshan Sanstha's

**Annasaheb Dange College of
Engineering and Technology, Ashta
Department of Computer Science and
Engineering**

Notice

24.01.2022

All the students whose name are attached herewith this notice are instructed to attend the extra lecture of subject Discrete Mathematics on 2nd, 3rd and 4th February 2022 at 4.15 pm sharp in classroom no.3

Roll no	URN	Name	Sign
2101	20131070	NIKHIL JAGANNATH MALI (IL)	N.J.Mali
2121	20131090	GHULE ADITYA ASHOK (IL)	Aditya
2134	20131103	REVANKAR SOM CHANDRASHEKHAR	Som
2135	20131104	SALAVI BHUSHAN BAJIRAO	Salavi
2138	20131107	SAMEER FIROJ MULANI (IL)	Sameer
2139	20131108	*SAMRUDDHI SAMBHAJI SALUNKHE (IL)	Salunkhe
2140	20131109	SHAILESH MARUTI PANDHARE	Shailish
2144	20131114	*ARUSHI BILLOWRIA (JK)	Arushi
2145	20131115	SURAJ NIKAM	Suraj
2155	20131126	*WAGHMODE ANKITA ASHOK	Ankita

Ms. A.B. Shikalgar
Course Teacher
Ms.A.B.Shikalgar



f.d.
HOD CSE



Sant Dnyaneshwar Shikshan Sanstha's

**Annasaheb Dange College of
Engineering and Technology, Ashta
Department of Computer Science and
Engineering**

Attendance of remedial coaching

Subject: Discrete Mathematics

Time: 4.15 to 5.00 pm

Roll no	URN	Name	02/02/2022	03/02/2022	04/02/2022
2101	20131070	NIKHIL JAGANNATH MALI (IL)	NJ.Mali	NJ.Mali	NJ.Mali
2121	20131090	GHULE ADITYA ASHOK (IL)	Aditya	Aditya	Aditya
2134	20131103	REVANKAR SOM CHANDRASHEKHAR	Som	Som	Som
2135	20131104	SALAVI BHUSHAN BAJIRAO	Salavi	Salavi	Salavi
2138	20131107	SAMEER FIROJ MULANI (IL)	Sameer	Sameer	Sameer
2139	20131108	*SAMRUDDHI SAMBHAJI SALUNKHE (IL)	Salunkhe	Salunkhe	Salunkhe
2140	20131109	SHAILESH MARUTI PANDHARE	Shailish	Shailish	Shailish
2144	20131114	*ARUSHI BILLOWRIA (JK)	Arushi	Arushi	Arushi
2145	20131115	SURAJ NIKAM	Suraj	Suraj	Suraj
2155	20131126	*WAGHMODE ANKITA ASHOK	Ankita	Ankita	Ankita


Shikalgar
Course Teacher
Ms.A.B.Shikalgar



f HOD/CE



1MEPC209- Fluid Mechanics

	Annasaheb Dange College of Engineering & Technology Ashta		
	Department of Mechanical Engineering		
	Subject: Fluid Mechanics (1MEPC_209)		
	Class: SY A	Year: 2020-21	Sem: IV

Process of identifying the slow and advanced learner

The proficiency test is organized at the commencement of the semester to identify the student diversity. The online MCQ based test (10 marks) is conducted. The assessment is carried out and criteria for identifying the slow and advanced learner is defined i.e. for slow learner < 8 marks and advanced learner ≥ 8 . The detailed plan for slow and advanced learner is then finalized. According to plan, for slow learner the extra remedial classes are organized and workshop on 'advances in fluid mechanics' is conducted for advanced learners.



Course coordinator: Mr. R. R. Gaji

FM proficiency test 2020-21

Student details

* Required

1. Roll No. *

1 point

2. Name *

1 point

3. Class *

1 point

4. Division *

1 point

Mark only one oval.

☐ A

☐ B

Questions

5. Shear stress in a static fluid is *

1 point

Mark only one oval.

- ☐ A. always zero
- ☐ B. always maximum
- ☐ C. between zero to maximum
- ☐ D. unpredictable

6. The mass of 5 m³ of a certain liquid is 4 tonnes. Its mass density is * 1 point
kgm³.

Mark only one oval.

- ☐ A. 200
- ☐ B. 400
- ☐ C. 600
- ☐ D. 800

7. The fluid will rise in capillary when the capillary is placed in fluid, if *

1 point

Mark only one oval.

- ☐ A. the adhesion force between molecules of fluid and tube is less than the cohesion between liquid molecules
- ☐ B. the adhesion force between molecules of fluid and tube is more than the cohesion between liquid molecules
- ☐ C. the adhesion force between molecules of fluid and tube is equal to the cohesion between liquid molecules
- ☐ D. cannot say

8. A liquid is compressed in a cylinder having a volume of 0.04 m^3 at 50 N/cm^2 and a volume of 0.039 m^3 at 150 N/cm^2 . The bulk modulus of elasticity is * 1 point

Mark only one oval.

- ☐ A. 400 Kg/cm^2
☐ B. 4000 Kg/cm^2
☐ C. 40000 Kg/cm^2
☐ D. 400000 Kg/cm^2

9. If mercury in the barometer is replaced by water, the height of 4.25 cm of mercury will be the following cm of water * 1 point

Mark only one oval.

- ☐ A. 3.2
☐ B. 57.8
☐ C. 3200
☐ D. 0.3125

10. The specific gravity of oil whose specific weight is 8.83 KN/m^3 , is * 1 point

Mark only one oval.

- ☐ A. 1
☐ B. 0.9
☐ C. 1.2
☐ D. 1.6

11.

* 1 point

Mercury does not wet the glass. This is due to property of the liquid known as

Mark only one oval.

- ☐ A. cohesion
- ☐ B. adhesion
- ☐ C. viscosity
- ☐ D. surface tension

12. The pressure at a point 4.5 m below the free surface of the water is *

1 point

Mark only one oval.

- ☐ A. 19.24 kPa
- ☐ B. 44.14 kPa
- ☐ C. 39.24 kPa
- ☐ D. 49.24 kPa

13. The center of buoyancy acts.....the center of gravity of immersed surface. * 1 point

Mark only one oval.

- ☐ A. at
- ☐ B. above
- ☐ C. below
- ☐ D. same point

14. Which property measures the resistance of a liquid to flow *

1 point

Mark only one oval.

- ☐ A. Weight Density
- ☐ B. Viscosity
- ☐ C. Specific Volume
- ☐ D. Density

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Google Forms

Mr. R. R. Giji



course - co-ordinator





Annasaheb Dange College of Engineering & Technology Ashta

Department of Mechanical Engineering

Proficiency Test

Subject: Fluid Mechanics (1MEPC_209)

Class: SY A

Year: 2020-21

Sem: IV

Criteria: Advanced learner: ≥ 8 ; Slow learner: < 8

Roll No	URN No	Student Name	Marks (10)	Learning type
101	19111016	/Pawar Akanksha Bhagwan	9	Advanced
102	19111018	/Satbhai Nilofar Dastgir	6	Slow
103	19111036	/Chougule Sakshi Raju	6	Slow
104	19111037	/Bergal Kajal Duryodhan	5	Slow
105	19111053	/Patil Shilpa Shivaji	6	Slow
106	19111054	/Godase Shweta Balasaheb	7	Slow
107	19111055	/Kharat Akshata Hanmant	5	Slow
108	17111155	Koli Ashitosh Eknath	7	Slow
109	18111032	Kajave Prathamesh Rajaram	8	Advanced
110	18111060	Survase Kunal Anil	5	Slow
111	18111091	Adsule Abhishek Dagdu	7	Slow
112	19111002	Narale Mayur Mahadev	6	Slow
113	19111003	Mulla Irshad Rashid	7	Slow
114	19111004	Ruikar Yash Uday	8	Advanced
115	19111005	Killedar Shreyash Satish	7	Slow
116	19111006	Lad Prathamesh Vilas	8	Advanced
117	19111007	Gaikwad Dipak Bajarang	4	Slow
118	19111008	Patil Rutvik Vilas	8	Advanced

119	19111009	Kurde Sarvesh Ramesh	9	Slow
120	19111010	Waghmode Suhas Amit	8	Advanced
121	19111013	Gawade Sahil Arjun	8	Advanced
122	19111014	Saptal Shreyas Suresh	6	Slow
123	19111015	Shinde Gaurav Shashikant	6	Slow
124	19111019	Kininge Tejas Jaykumar	6	Slow
125	19111021	Tarange Someshwar Narayan	8	Advanced
126	19111022	Kumbhar Rushikesh Krishna	7	Slow
127	19111023	Koshti Shubham Siddharudh	7	Slow
128	19111024	Shinde Aniket Shankar	6	Slow
129	19111029	Pawar Mahesh Pratap	9	Slow
130	19111030	Pawar Rushikesh Sanjay	7	Slow
131	19111031	Chougule Siddhant Dhaval	8	Advanced
132	19111032	Khataavkar Shrenik Jitendra	7	Slow
133	19111033	Shembade Vikram Prakash	8	Advanced
134	19111034	Patil Anuraj Anil	8	Advanced
135	19111038	Sutar Vivek Raman	8	Advanced
136	19111039	Patil Tejas Dhananjay	7	Slow
137	19111040	Jadhav Yash Sudhir	8	Advanced
138	19111041	Lohar Avdhut Shrikant	8	Advanced
139	19111042	Patel Mushraf Liyakat	9	Advanced
140	19111043	Yash Sanjay Tare (II)	8	Advanced
141	19111044	Patil Abhishek Anandrao	7	Slow
142	19111045	Kadam Ajay Sanjay	8	Advanced
143	19111046	Shinde Vishwajeet Atul	7	Slow
144	19111047	Kumbhar Harshvardhan Rajendra	8	Advanced

145	19111049	Bhosale Avinash Shantaram	8	Advanced
146	19111050	Gavade Mayur Ashok	5	Slow
147	19111051	Velhal Shantanu Sharad	8	Advanced
148	19111052	Pawar Suraj Sharad	7	Slow
149	19111056	Bhosale Shubham Sunil (Re)	8	Advanced
150	19111057	Swami Sandesh Mallikarjun	4	Slow
151	19111058	Jare Satyajit Kashinath	9	Advanced
152	19111059	Kale Atharv Bhalchandra	8	Advanced
153	19161002	Hakke Shreyash Pandurand	5	Slow
154	18111142	Patil Sourabh Ashok	AB	AB
155	19111060	Nangare Saurabh Sunil	8	Advanced
156	19111062	Babar Mahesh Jaysing	9	Advanced
157	19111063	Sisale Apurv Santosh	8	Advanced
158	19111064	Atharabuddhe Akshay Baban	8	Advanced
159	19111065	Kadam Adesh Rajendra	8	Advanced
160	19111066	Pawar Shubham Dattatray	6	Slow
161	19111067	Patil Sanket Sanjaykumar	9	Advanced
162	19111068	Mohite Nikhil Sanjay	9	Advanced
163	19111069	Sandi Sahil Zakirhusen	8	Advanced
164	19111070	Shingare Pratik Vasant	9	Advanced
165	19111071	Nikam Yogesh Yuvraj	10	Advanced
166	19111076	Kadam Aditya Arun	7	Slow
167	19111077	Mohite Aniket Hanmant	8	Advanced
168	19111078	Mhetre Tejas Vishnu	7	Slow
169	19111079	Patil Pavan Pirajee	8	Advanced
170	19111080	Patil Akshay Ananda	8	Advanced

171	19111082	Thorat Akshay Dhondiram	8	Advanced
172	19111083	Kamlesh Subhash Mahajan	6	Slow
173	19111084	Sawant Somanath Hindurao	6	Slow
174	19111085	Sargar Umesh Pandurang	8	Advanced
175	19111086	Mohite Aniket Prakash	7	Slow
176	19111087	Jadhav Kuldeep Ashok	6	Slow
177	19111088	Bergal Tushar Tukaram	7	Slow
178	19111090	Jadhav Vishwajit Dilip	4	Slow
179	19111096	Chavan Aniket Ashok	8	Advanced
180	19111100	Bhanuse Jeevan Kisan	8	Advanced


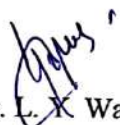
Total students in the class: 80

Total no. of students present: 79

Criteria: Advanced learner: >8; Slow learner: ≥8	
Total no. of advanced learner	40
Total no. of slow learner	39

Plan:

Category	Plan
Advanced Learner	Workshop on recent trends in fluid mechanics
Slow learner	Remedial Classes

 Course Incharge: Mr. R. R. Gaji	 HOD: Dr. L. K. Waghmode
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Annasaheb Dange College of Engineering & Technology Ashta

Department of Mechanical Engineering

Slow and Advanced Learner List

Subject: Fluid Mechanics (1MEPC_209)

Class: SY A

Year: 2020-21

Sem: IV

List of Slow Learner



Sr. No.	Roll No	URN	Name
1	102	19111018	/Satbhai Nilofar Dastgir
2	103	19111036	/Chougule Sakshi Raju
3	104	19111037	/Bergal Kajal Duryodhan
4	105	19111053	/Patil Shilpa Shivaji
5	106	19111054	/Godase Shweta Balasaheb
6	107	19111055	/Kharat Akshata Hanmant
7	108	17111155	Koli Ashitosh Eknath
8	110	18111060	Survase Kunal Anil
9	111	18111091	Adsule Abhishek Dagdu
10	112	19111002	Narale Mayur Mahadev
11	113	19111003	Mulla Irshad Rashid
12	115	19111005	Killedar Shreyash Satish
13	117	19111007	Gaikwad Dipak Bajarang
14	119	19111009	Kurde Sarvesh Ramesh
15	122	19111014	Saptal Shreyas Suresh
16	123	19111015	Shinde Gaurav Shashikant
17	124	19111019	Kininge Tejas Jaykumar
18	126	19111022	Kumbhar Rushikesh Krishna
19	127	19111023	Koshti Shubham Siddharudh
20	128	19111024	Shinde Aniket Shankar
21	129	19111029	Pawar Mahesh Pratap
22	130	19111030	Pawar Rushikesh Sanjay
23	132	19111032	Khatavkar Shrenik Jitendra
24	136	19111039	Patil Tejas Dhananjay
25	141	19111044	Patil Abhishek Anandrao
26	143	19111046	Shinde Vishwajeet Atul
27	146	19111050	Gavade Mayur Ashok
28	148	19111052	Pawar Suraj Sharad
29	150	19111057	Swami Sandesh Mallikarjun
30	153	19161002	Hakke Shreyash Pandurand
31	160	19111066	Pawar Shubham Dattatray


32	166	19111076	Kadam Aditya Arun
33	168	19111078	Mhetre Tejas Vishnu
34	172	19111083	Kamlesh Subhash Mahajan
35	173	19111084	Sawant Somanath Hindurao
36	175	19111086	Mohite Aniket Prakash
37	176	19111087	Jadhav Kuldeep Ashok
38	177	19111088	Bergal Tushar Tukaram
39	178	19111090	Jadhav Vishwajit Dilip

List of Advanced Learner

Sr. No.	Roll No	URN	Name
1	101	19111016	/Pawar Akanksha Bhagwan
2	109	18111032	Kajave Prathamesh Rajaram
3	114	19111004	Ruikar Yash Uday
4	116	19111006	Lad Prathamesh Vilas
5	118	19111008	Patil Rutvik Vilas
6	120	19111010	Waghmode Suhas Amit
7	121	19111013	Gawade Sahil Arjun
8	125	19111021	Tarange Someshwar Narayan
9	131	19111031	Chougule Siddhant Dhaval
10	133	19111033	Shembade Vikram Prakash
11	134	19111034	Patil Anuraj Anil
12	135	19111038	Sutar Vivek Raman
13	137	19111040	Jadhav Yash Sudhir
14	138	19111041	Lohar Avdhut Shrikant
15	139	19111042	Patel Mushraf Liyakat
16	140	19111043	Yash Sanjay Tare (II)
17	142	19111045	Kadam Ajay Sanjay
18	144	19111047	Kumbhar Harshvardhan Rajendra
19	145	19111049	Bhosale Avinash Shantaram
20	147	19111051	Velhal Shantanu Sharad
21	149	19111056	Bhosale Shubham Sunil (Re)
22	151	19111058	Jare Satyajit Kashinath
23	152	19111059	Kale Atharv Bhalchandra
24	155	19111060	Nangare Saurabh Sunil
25	156	19111062	Babar Mahesh Jaysing
26	157	19111063	Sisale Apurv Santosh
27	158	19111064	Atharabuddhe Akshay Baban
28	159	19111065	Kadam Adesh Rajendra
29	161	19111067	Patil Sanket Sanjaykumar
30	162	19111068	Mohite Nikhil Sanjay
31	163	19111069	Sandi Sahil Zakirhusen
32	164	19111070	Shingare Pratik Vasant
33	165	19111071	Nikam Yogesh Yuvraj

34	167	19111077	Mohite Aniket Hanmant
35	169	19111079	Patil Pavan Pirajee
36	170	19111080	Patil Akshay Ananda
37	171	19111082	Thorat Akshay Dhondiram
38	174	19111085	Sargar Umesh Pandurang
39	179	19111096	Chavan Aniket Ashok
40	180	19111100	Bhanuse Jeevan Kisan

 Course Incharge: Mr. R. R. Gaji	 HOD: Dr. L. Y. Waghmode
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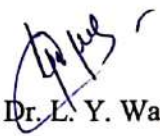
	Annasaheb Dange College of Engineering & Technology Ashta		
	Department of Mechanical Engineering		
	Subject: Fluid Mechanics (1MEPC_209)		
	Class: SY A	Year: 2020-21	Sem: IV

NOTICE

All the advanced learners are hereby informed that the workshop on “Recent trends in fluid mechanics” is arranged. The detailed schedule of the workshop and recourse person is mentioned below.

Schedule

Date	Name of Topics	Resource person
27/03/2021	Governing equations of fluid flow: conservation of mass	Dr. SAI Bellary
28/03/2021	Governing equations of fluid flow: conservation of momentum	Dr. SAI Bellary
10/04/2021	Navier stokes equation	Dr. SAI Bellary
11/04/2021	Introduction to energy equation	Dr. SAI Bellary
17/04/2021	Introduction to CFD	Mr. R. R. Gaji
18/04/2021	Fluid flow analysis by fluent software	Mr. R. R. Gaji

 Course Incharge: Mr. R. R. Gaji	 HOD: Dr. L. Y. Waghmode
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Annasaheb Dange College of Engineering & Technology Ashta

Department of Mechanical Engineering

Workshop on Recent trends in fluid mechanics (Advanced learner)

Subject: Fluid Mechanics (1MEPC_209)

Class: SY A


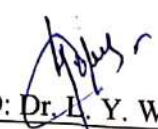
Year: 2020-21

Sem: IV

Attendance

Roll No	Name	29/3/21	28/3/21	10/4/21	11/4/21	17/4/21	18/4/21	Sign
101	/Pawar Akanksha Bhagwan	P	P	P	A	P	P	<i>Pawar A.B.</i>
109	Kajave Prathamesh Rajaram	A	P	P	A	P	P	<i>P. Rajaram</i>
114	Ruikar Yash Uday	P	P	P	P	P	P	<i>Yash Ruikar</i>
116	Lad Prathamesh Vilas	P	P	P	A	P	P	<i>Prathamesh Lad</i>
118	Patil Rutvik Vilas	P	A	P	P	P	A	<i>Rutvik Patil</i>
120	Waghmode Suhas Amit	P	P	P	A P	P	P	<i>Suhas Waghmode</i>
121	Gawade Sahil Arjun	P	P	P	P	P	P	<i>Sahil Gawade</i>
125	Tarange Someshwar Narayan	P	P	A	P	P	P	<i>Someshwar Tarange</i>
131	Chougule Siddhant Dhaval	P	P	P	P	P	P	<i>Siddhant Chougule</i>
133	Shembade Vikram Prakash	P	P	P	A	A	P	<i>Vikram Shembade</i>
134	Patil Anuraj Anil	A P	P	P	P	P	P	<i>Anuraj Patil</i>
135	Sutar Vivek Raman	P	P	P	P	P	P	<i>Vivek Sutar</i>
137	Jadhav Yash Sudhir	P	P	P	P	P	P	<i>Yash Jadhav</i>
138	Lohar Avdhut Shrikant	P	P	P	P	P	P	<i>Avdhut Lohar</i>
139	Patel Mushraf Liyakat	P	P	P	P	P	P	<i>Mushraf Patel</i>
140	Yash Sanjay Tare (II)	P	P	P	P	P	P	<i>Yash Tare</i>
142	Kadam Ajay Sanjay	P	P	P	P	P	P	<i>Ajay Kadam</i>
144	Kumbhar Harshvardhan Rajendra	P	P	P	P	P	P	<i>Harsh Kumbhar</i>

145	Bhosale Avinash Shantaram	P	P	P	A	A	P	Bhosale Av
147	Velhal Shantanu Sharad	P	P	P	A	P	P	Shelke
149	Bhosale Shubham Sunil (Re)	A	P	A	A P	A	P	Shubham
151	Jare Satyajit Kashinath	P	P	P	P	P	P	Kale B
152	Kale Atharv Bhalchandra	A	P	P	P	P	P	Atharv
155	Nangare Saurabh Sunil	A	P	P	P	P	P	Kale B
156	Babar Mahesh Jaysing	P	A	P	P	P	P	Babar
157	Sisale Apurv Santosh	P	P	P	P	P	P	Apurv
158	Atharabuddhe Akshay Baban	P	P	P	P	P	P	AKA
159	Kadam Adesh Rajendra	P	P	P	P	P	P	Patil S
161	Patil Sanket Sanjaykumar	P	P	P	P	P	P	Kadam
162	Mohite Nikhil Sanjay	P	P	P	P	P	P	Mohite
163	Sandi Sahil Zakirhusen	P	P	P	P	P	P	Sandi
164	Shingare Pratik Vasant	P	P	P	P	P	P	Shingare
165	Nikam Yogesh Yuvraj	P	A	P	P	P	P	Nikam
167	Mohite Aniket Hanmant	A	P	P	P	P	P	Mohite
169	Patil Pavan Pirajee	P	P	P	P	P	P	Patil P
170	Patil Akshay Ananda	P	P	A	P	P	P	Patil A
171	Thorat Akshay Dhondiram	A	P	A	A	A	P	Thorat
174	Sargar Umesh Pandurang	P	P	P	P	P	P	Sargar
179	Chavan Aniket Ashok	P	P	P	P	P	P	Chavan
180	Bhanuse Jeevan Kisan	P	A	P	P	P	P	B.S. Bhanuse

 Course Incharge: Mr. R. R. Gaji	 HOD: Dr. L. Y. Waghmode
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Annasaheb Dange College of Engineering & Technology Ashta

Department of Mechanical Engineering

Remedial classes (Slow Learner)

Subject: Fluid Mechanics (1MEPC_209)

Class: SY A

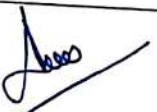

Year: 2020-21

Sem: IV

Attendance

Roll No	Name	6/3/21	7/3/21	13/3/21	20/3/21	27/3/21	3/4/21	10/4/21	17/4/21	24/4/21	8/5/21			Sign
102	/Satbhai Nilofar Dastgir	P	P	P	P	P	A	P	P	A	P			<u>Nilofar</u>
103	/Chougule Sakshi Raju	A	A	P	A	P	A	P	P	P	P			<u>Sakshi</u>
104	/Bergal Kajal Duryodhan	P	P	P	P	P	A	P	P	P	P			<u>Godase.s.p</u>
105	/Patil Shilpa Shivaji	P	P	P	P	P	P	P	P	P	P			<u>Patil.Shilpa</u>
106	/Godase Shweta Balasaheb	P	P	P	P	P	P	P	P	P	P			<u>Godase</u>
107	/Kharat Akshata Hanmant	P	P	P	P	P	P	P	P	P	BA			<u>Godase</u>
108	Koli Ashitosh Eknath	P	P	P	P	P	P	P	P	P	P			<u>Akshata</u>
110	Survase Kunal Anil	A	AP	P	P	P	P	P	P	P	AP			<u>Kharat</u>
111	Adsule Abhishek Dagdu	P	P	P	P	A	P	P	P	P	P			<u>Survase</u>
112	Narale Mayur Mahadev	P	P	P	P	P	A	A	P	A	P			<u>Narale</u>
113	Mulla Irshad Rashid	A	P	P	P	P	P	P	P	P	P			<u>Killedar</u>
115	Killedar Shreyash Satish	P	P	AP	P	A	A	A	P	P	P			<u>Killedar</u>
117	Gaikwad Dipak Bajarang	A	P	P	P	P	P	P	P	P	P			<u>Dipak</u>
119	Kurde Sarvesh Ramesh	P	P	P	P	P	P	P	P	P	P			<u>Kurde</u>
122	Saptal Shreyas Suresh	P	P	P	P	P	P	P	P	P	P			<u>Saptal</u>
123	Shinde Gaurav Shashikant	P	P	A	P	P	P	P	P	P	P			<u>Shinde</u>
124	Kininge Tejas Jaykumar	A	P	P	P	P	P	A	P	P	P			<u>Tejas</u>
126	Kumbhar Rushikesh Krishna	P	P	P	P	P	P	P	P	P	P			<u>Kumbhar</u>
127	Koshti Shubham Siddharudh	P	P	A	P	P	P	P	P	P	P			<u>Shubham</u>
128	Shinde Aniket Shankar	P	P	P	P	P	P	P	P	P	P			<u>Aniket</u>

129	Pawar Mahesh Pratap	P	P	P	P	P	P	P	P	P	P	P			Pawar
130	Pawar Rushikesh Sanjay	P	P	P	P	P	P	P	P	P	P	P			Rushikesh
132	Khatavkar Shrenik Jitendra	P	P	P	P	P	P	P	P	P	P	P			Shrenik
136	Patil Tejas Dhananjay	P	P	P	P	P	P	P	P	P	P	P			Tejas
141	Patil Abhishek Anandrao	A	P	P	P	P	P	P	P	P	P	P			Abhishek
143	Shinde Vishwajeet Atul	P	P	P	P	P	P	P	P	P	P	P			Vishwajeet
146	Gavade Mayur Ashok	P	P	P	P	P	P	P	P	P	P	P			Mayur
148	Pawar Suraj Sharad	P	P	P	P	P	P	P	P	P	P	P			Suraj
150	Swami Sandesh Mallikarjun	A	P	P	P	P	P	P	P	P	P	P			Sandesh
153	Hakke Shreyash Pandurang	P	P	P	P	P	P	P	P	P	P	P			Shreyash
160	Pawar Shubham Dattatray	P	P	P	P	P	P	P	P	P	P	P			Shubham
166	Kadam Aditya Arun	P	P	P	P	P	P	P	P	P	P	P			Aditya
168	Mhetre Tejas Vishnu	P	P	P	P	P	P	P	P	P	P	P			Tejas
172	Kamlesh Subhash Mahajan	A	P	P	P	P	P	P	P	P	P	P			Subhash
173	Sawant Somanath Hindurao	A	P	P	P	P	P	P	P	P	P	P			Somanath
175	Mohite Aniket Prakash	P	P	P	P	P	P	P	P	P	P	P			Aniket
176	Jadhav Kuldeep Ashok	A	P	P	P	P	P	P	P	P	P	P			Kuldeep
177	Bergal Tushar Tukaram	P	A	P	P	P	P	P	P	P	P	P			Tushar
178	Jadhav Vishwajit Dilip	P	P	P	P	P	P	P	P	P	P	P			Vishwajit

 Course Incharge: Mr. R. R. Gaji	 HOD: Dr. L. Y. Waghmode
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1AEBS101- Applied Mathematics I

Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering Technology, Ashta
An Autonomous Institute
Department of Basic Sciences
Proficiency Test
Academic test 2021-22

Course Name & Course Code: Applied Mathematics I and 1AEB5101

Div: G (Aeronautical Engineering)

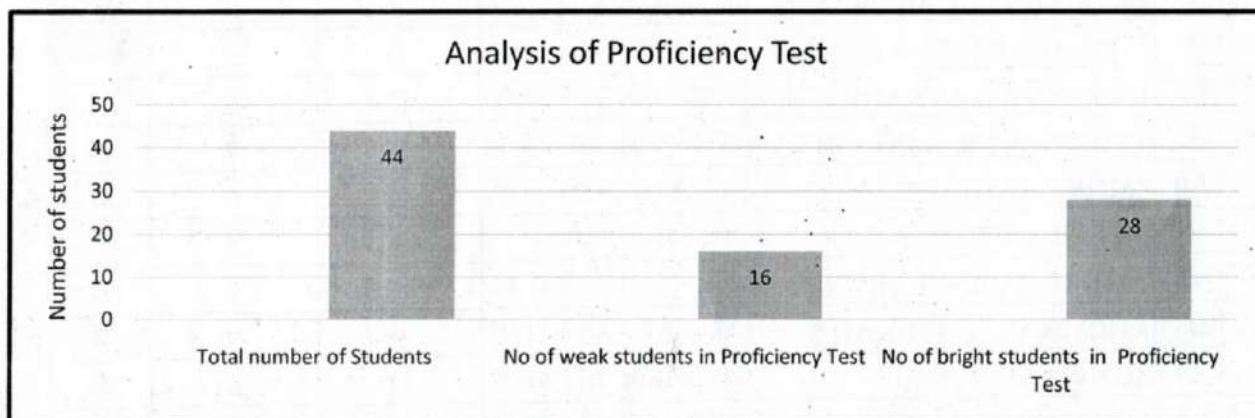
ROLL NO	URN	Name of the student	Date and time	Basic Profeciency Test	Basic Profeciency Test	STATUS W/B
701	21071001	KAMBLE SHREYAS LAXMAN	2022/01/21 4:00:00 PM	8	4	W
702	21071002	YASH VIJAY GANGASAGAR	2022/01/21 3:59:35 PM	5	3	W
703	21071003	MUSHRIF ZARRARAHMAD	2022/01/21 3:58:32 PM	10	5	B
704	21071004	*TATE SEJAL PRAVIN	2022/01/21 4:09:05 PM	11	6	B
705	21071005	*VIBHUTE SIDDHI DILIP	2022/01/21 4:00:56 PM	12	6	B
706	21071006	*KALTHE MAHIKA MAHESH	2022/01/21 4:01:40 PM	13	7	B
707	21071007	JADHAV SAHIL RAVINDRA	2022/01/21 3:59:43 PM	16	8	B
708	21071008	JADHAV SHIVRAJ SAMBHAJ	2022/01/21 3:58:57 PM	15	8	B
709	21071009	*MALUSARE SNEHAL VIJAY	2022/01/21 4:00:04 PM	6	3	W
710	21071010	WASNIK VIRESH HEMANT	2022/01/21 3:59:06 PM	11	6	B
711	21071011	WAGHMODE YASHWANT P.	2022/01/21 3:59:55 PM	12	6	B
712	21071012	NIKHALJE HARSH VINOD	2022/01/21 4:01:30 PM	7	4	W
713	21071013	VALVI ANURADHA D	2022/01/21 4:00:08 PM	6	3	W
714	21071014	DHALE OMKAR SUDHIR	2022/01/21 3:59:50 PM	11	6	B
715	21071015	FARANDE SHANKAR BABAN	2022/01/21 3:58:57 PM	14	7	B
716	21071016	BADOLE TUSHAR PRAVIN	2022/01/21 4:03:38 PM	8	4	W
717	21071017	*DALAVI SHREYA SANJAY	2022/01/21 4:05:14 PM	9	5	W
718	21071018	DESHMUKH ATHARV AMOL	2022/01/21 3:59:38 PM	12	6	B
719	21071019	TUMMA MURALIKRISHNA R	2022/01/21 3:59:28 PM	13	7	B
720	21071020	*MORE ANUJA PRAMOD	2022/01/21 4:03:05 PM	11	6	B
721	21071021	SUTAR ASIT SHANKAR	2022/01/21 3:59:29 PM	9	5	W
722	21071022	*AHIRE AVANTI ARUN	2022/01/21 3:58:57 PM	13	7	B
723	21071023	KHEMNAR AVISHKAR S.	2022/01/21 4:03:11 PM	9	5	W
724	21071024	SONWANE KUNAL	2022/01/21 3:51:53 PM	11	6	B
725	21071025	MALI PRATHAMESH UMESH	2022/01/21 4:00:07 PM	11	6	B
726	21071026	*INGALE ADITYA D	2022/01/21 3:59:05 PM	10	5	B
727	21071027	*PETHKAR MRUNALI Y	2022/01/21 4:00:49 PM	14	7	B
728	21071028	PATIL TEJAS PRAKASH	2022/01/21 3:59:55 PM	12	6	B
729	21071029	RIZVI SARIM ABBAS	2022/01/21 3:50:51 PM	6	3	W
730	21071030	PATIL SUSHANT MANOJ	2022/01/21 3:59:05 PM	4	2	W
731	21071031	*GAIKWAD HARSHADA C	2022/01/21 4:00:56 PM	11	6	B
732	21071032	PAWAR ABHIJIT SURESH	2022/01/21 4:02:40 PM	12	6	B
733	21071033	BHAGAT ADITYA DATTU	2022/01/21 3:59:11 PM	12	6	B

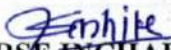

Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering Technology, Ashta
An Autonomous Institute
Department of Basic Sciences
Proficiency Test
Academic test 2021-22

Course Name & Course Code: Applied Mathematics I and 1AEB101

Div: G (Aeronautical Engineering)

ROLL NO	URN	Name of the student	Date and time	Basic Profeciency Test	Basic Profeciency Test	STATU S W/B
734	21071034	*GHADGE ANKITA B	2022/01/21 4:03:45 PM	8	4	W
735	21071035	NAIDU PRASHANTH J	2022/01/21 3:59:16 PM	16	8	B
736	21071036	CHAWDA DHEERAJ NITIN	2022/01/21 3:59:05 PM	11	6	B
737	21071037	ATTAR MUSKAN JAVED	2022/01/21 4:00:18 PM	17	9	B
738	21071038	MORE SHRIKANT NAVNATH	2022/01/21 3:59:05 PM	5	3	W
739	21071039	SATPUTE KARAN JAGDISH	2022/01/21 3:59:43 PM	7	4	W
740	21071040	SHIRSAT ADITYA MAHESH	2022/01/21 4:02:08 PM	10	5	B
741	21071041	THORAT SONU CHANDURAM	2022/01/21 3:59:03 PM	14	7	B
742	21071042	INGALE PRATIK N	2022/01/21 4:00:39 PM	11	6	B
743	21071043	KHARAT ADARSH N	2022/01/21 4:01:10 PM	8	4	W
744	21071044	JADHAV SOURABH J.	2022/01/21 3:59:05 PM	5	3	W
Total number of Students			44	Marks		
No of weak students in Proficiency Test			16	less than 4		
No of bright students in Proficiency Test			28	7 and above		



 COURSE INCHARGE	 HOD, DEPARTMENT OF BASIC SCIENCES
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Weak and Bright Test F.Y. B. Tech

Branch: Aeronautical Engineering, Academic year 2021-22

* Required

1. Email *

2. Your name *

3. Your Roll No. *

4. Division *

Basic questions

Based on 11th and 12 th mathematics

5. *

Find the determinant of matrix $A = \begin{bmatrix} 0 & 2 & 2 \\ 7 & 4 & 8 \\ -7 & 0 & -4 \end{bmatrix}$

Mark only one oval.

☐ 56

☐ 28

☐ 0

☐ -28

6. *

Solve the system using Cramer's rule $2x + 3y + z = 9, 4x + y = 7, x - 3y - 7z = 6$

Mark only one oval.

☐ $x=-1, y=1, z=4$

☐ $x=-1, y=2, z=1$

☐ $x=2, y=1, z=2$

☐ $x=1, y=3, z=-2$

7. *

Evaluate $\lim_{x \rightarrow 1} \frac{x^2-1}{x-1}$

Mark only one oval.

☐ 1

☐ 2

☐ -1

☐ 0

8. *

If $A = \begin{bmatrix} 3 & x-1 \\ 2x+3 & x+2 \end{bmatrix}$ is a symmetric matrix, then $x =$

Mark only one oval.

☐ 4

☐ -4

☐ -3/4

☐ 2/3

9. *

If $A = \begin{bmatrix} 1 & 3 \\ 3 & 4 \end{bmatrix}$ and $A^2 - KA - 5I = 0$, then $K =$

Mark only one oval.

☐ 5

☐ 1

☐ 3

☐ 2

10. *

If $y = (\tan x)^{\sin x}$, then $\frac{dy}{dx}$ is equal to

Mark only one oval.

☐ $\sec x + \cos x$

☐ $\sec x + \log (\tan x)$

☐ $(\tan x)^{\sin x}$

☐ None of these

11. *

Evaluate $\int_0^2 (x^2 + 3)dx$

Mark only one oval.

☐ 25/3

☐ 26/3

☐ 24/3

☐ 23/3

12. *

The value of $\cos 390^\circ$

Mark only one oval.

☐ 0

☐ 1/2

☐ $(\sqrt{3})/2$

☐ 1

13. *

The value of $i^9 + i^{10} + i^{11} + i^{12}$

Mark only one oval.

☐ -2i

☐ 0

☐ 2i

☐ 2

14. *

Sum of AP 2, 5, 8, ..., up to 50 terms is -----

Mark only one oval.

☐ 3775

☐ 3577

☐ 3757

☐ 5377

15. *

Find the value of $\cos 75^\circ \times \cos 15^\circ$

Mark only one oval.

☐ 1/4

☐ 1/2

☐ 1

☐ 0

16. *

Find A^{-1} where the matrix $A = \begin{bmatrix} 1 & 3 \\ 3 & 10 \end{bmatrix}$

Mark only one oval.

$$\begin{bmatrix} 10 & -3 \\ -3 & 1 \end{bmatrix}$$

☐ Option 1

$$\begin{bmatrix} -10 & 3 \\ 3 & -1 \end{bmatrix}$$

☐ Option 2

$$\begin{bmatrix} 1 & -3 \\ -3 & 10 \end{bmatrix}$$

☐ Option 3

$$\begin{bmatrix} 1 & 3 \\ 3 & 10 \end{bmatrix}$$

☐ Option 4

17. *

If $y = \log (\sin x)$ then $\frac{d^2y}{dx^2}$

Mark only one oval.

☐ - $(\operatorname{cosec} x)^2$

☐ - $(\cot x)^2$

☐ $(-\operatorname{cosec} x)^2$

☐ $(\cot x)^2$

18. *

Evaluate $\int \sin x \cos x \, dx$

Mark only one oval.

☐ - $\sin 2x/2$

☐ - $(\cos 2x)/2$

☐ $(\sin 2x)/4$

☐ - $(\cos 2x)/4$

19. *

The order and degree of the differential equation $\frac{d^2y}{dx^2} + \sqrt{1 + \left(\frac{dy}{dx}\right)^3} = 0$

Mark only one oval.

☐ order 2 and degree 3

☐ order 2 and degree 2

☐ order 2 and degree 1

☐ order 1 and degree 2

20. *

If $\sin x = \frac{3}{4}$, $\tan x = \frac{9}{2}$ then find $\cos x$

Mark only one oval.

☐ 1/6

☐ 1/3

☐ 1/2

☐ 3

21. *

The value of $\sqrt{-36} + 3\sqrt{-4} - 2\sqrt{-16} =$

Mark only one oval.

☐ -4i

☐ 26i

☐ 4i

☐ -26i

22. *

Which of the following statement is not correct?

Mark only one oval.

☐ $(\log 10 \text{ with base } 10) = 1$

☐ $\log (3 + 5) = \log (5 \times 3)$

☐ $(\log (1) \text{ with base } 10) = 0$

☐ $\log (1 + 2 + 3) = \log 1 + \log 2 + \log 3$

23. *

If $\log \frac{4}{5} + \log \frac{5}{4} = \log(a + b)$, then

Mark only one oval.

☐ $a + b = 1$

☐ $a - b = 1$

☐ $a = b$

☐ $a = -b$

24. *

Find the roots of the cubic equations $x^3 - 9x^2 + 15x - 7 = 0$

Mark only one oval.

☐ $x = 1, 1, 7$

☐ $x = 1, 1, -7$

☐ $x = -1, 1, 7$

☐ $x = -1, -1, 7$

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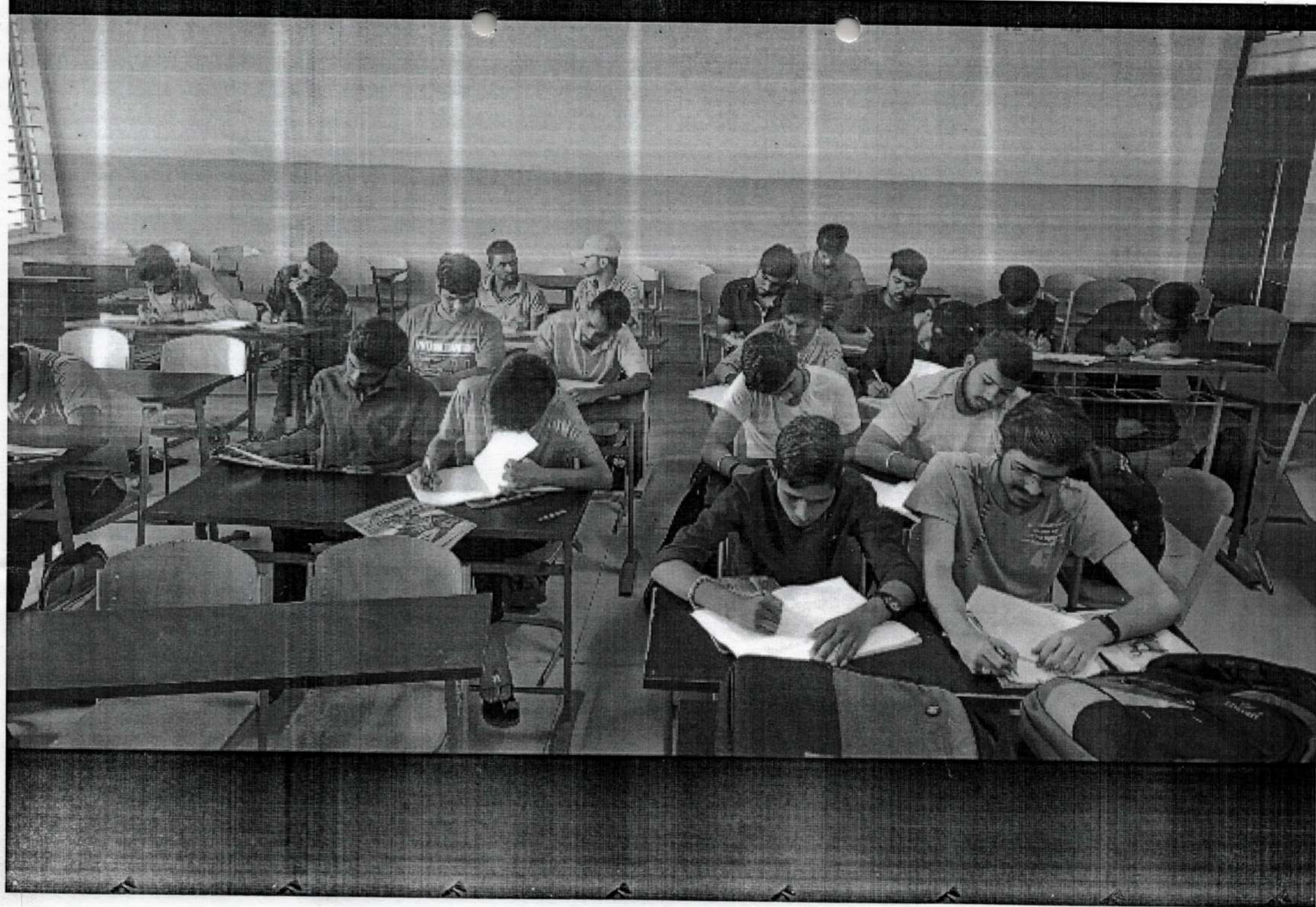
Google Forms

Attendance of Remedial lectures for Weak Students

Roll no.	URN	Name	2/2/2022	2/9/2022	2/12/2022	3/4/2022	3/10/2022	3/16/2022	4/11/2022	4/16/2022
701	21071001	KAMBLE SHREYAS LAXMAN	Present	Present	Present	Present	Present	Present	Present	Present
702	21071002	YASH VIJAY GANGASAGAR	Present	Present	Present	Present	Present	Present	Present	Present
709	21071009	*MALUSARE SNEHAL VIJAY	Present	Present	Present	Present	Present	Present	Present	Present
712	21071012	NIKHALJE HARSH VINOD	Present	Present	Present	Present	Present	Present	Present	Present
713	21071013	VALVI ANURADHA D	Present	Present	Present	Present	Present	Present	Present	Present
716	21071016	BADOLE TUSHAR PRAVIN	Present	Present	Present	Present	Present	Present	Present	Present
717	21071017	*DALAVI SHREYA SANJAY	Present	Present	Present	Present	Present	Present	Present	Present
721	21071021	SUTAR ASIT SHANKAR	Present	Present	Present	Present	Present	Present	Present	Present
723	21071023	KHEMNAR AVISHKAR S.	Present	Present	Present	Present	Present	Present	Present	Present
729	21071029	RIZVI SARIM ABBAS	Present	Present	Present	Present	Present	Present	Present	Present
730	21071030	PATIL SUSHANT MANOJ	Present	Present	Present	Present	Present	Present	Present	Present
734	21071034	*GHADGE ANKITA B	Present	Present	Present	Present	Present	Present	Present	Present
738	21071038	MORE SHRIKANT NAVNATH	Present	Present	Present	Present	Present	Present	Present	Present
739	21071039	SATPUTE KARAN JAGDISH	Present	Present	Present	Present	Present	Present	Present	Present
743	21071043	KHARAT ADARSH N	Present	Present	Present	Present	Present	Present	Present	Present
744	21071044	JADHAV SOURABH J.	Present	Present	Present	Present	Present	Present	Present	Present

Course Incharge: Mrs. S.S. Mohite



Approved By: HOD, Basic Sciences



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering Technology, Ashta
An Autonomous Institute
Department of Basic Sciences

Participation of Bright students in Extra-curricular activities

Roll No.	URN	NAME	APTIMASTER	TECH TALK	MODEL MAKING
703	21071003	MUSHRIF ZARRARAHMAD A.	YES		
704	21071004	*TATE SEJAL PRAVIN	YES		
705	21071005	*VIBHUTE SIDDHI DILIP	YES		YES
706	21071006	*KALTHE MAHIKA MAHESH		YES	YES
707	21071007	JADHAV SAHIL RAVINDRA			YES
708	21071008	JADHAV SHIVRAJ SAMBHAJI	YES	YES	
710	21071010	WASNIK VIRESH HEMANT	YES		YES
711	21071011	WAGHMODE YASHWANT P.	YES		
714	21071014	DHALE OMKAR SUDHIR		YES	YES
715	21071015	FARANDE SHANKAR BABAN	YES		
718	21071018	DESHMUKH ATHARV AMOL	YES		YES
719	21071019	TUMMA MURALIKRISHNA R.	YES		YES
720	21071020	*MORE ANUJA PRAMOD			YES
721	21071021	SUTAR ASIT SHANKAR	YES		YES
722	21071022	*AHIRE AVANTI ARUN	YES		
724	21071024	SONWANE KUNAL	YES		
725	21071025	MALI PRATHAMESH UMESH	YES		
726	21071026	*INGALE ADITYA D	YES		
727	21071027	*PETHKAR MRUNALI Y			YES
728	21071028	PATIL TEJAS PRAKASH			YES
731	21071031	*GAIKWAD HARSHADA C			YES
732	21071032	PAWAR ABHIJIT SURESH	YES		
733	21071033	BHAGAT ADITYA DATTU			YES
735	21071035	NAIDU PRASHANTH J	YES		
736	21071036	CHAWDA DHEERAJ NITIN	YES		YES
737	21071037	ATTAR MUSKAN JAVED		YES	YES
740	21071040	SHIRSAT ADITYA MAHESH	YES		
741	21071041	THORAT SONU CHANDURAM	YES		YES
742	21071042	INGALE PRATIK N	YES		

 Prepared By: Mrs.S.S.Mohite	 Approved by : HOD,Basic Sciences
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ADCET

Sant Dnyaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering & Technology, Ashta

(Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to Shivaji University Kolhapur)

(An Autonomous Institute)

Department of Basic Sciences

C E R T I F I C A T E

This is to certify that,

Mr./Ms **Deshmukh Athar Amol**

of ADCET Ashta, has

participated/secured

Prize in **Model Making**

Event / worked as organizing

committee member of **LAKSHYA 2K22** held on 28th February, 2022. Organized by Department of Basic Sciences.

His/Her contribution to the event is highly appreciated.

Prof. S. S. Mohite
Head, Department of Basic Sciences

Dr. Vikram S. Patil
Director, ADCET

Prof. R. A. Kanai
Executive Director, SDSS, Islampur



ADCET

Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology, Ashta

(Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to Shivaji University Kolhapur)

(An Autonomous Institute)

Department of Basic Sciences

C E R T I F I C A T E

This is to certify that,

Mr./MS. **Deshmukh Atharv Amol**

of ADCET Ashta, has

participated / secured

Prize in **Aptimaster**

Event / worked as organizing

committee member of **LAKSHYA 2K22** held on 28th February, 2022. Organized by Department of Basic Sciences.

His / Her contribution to the event is highly appreciated.

Prof. S. S. Mohite
Head, Department of Basic Sciences

Dr. Vikram S. Patil
Director, ADCET

Prof. R. A. Kanai
Executive Director, SDSS, Islampur



ADCET

Sant Dnyaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering & Technology, Ashta

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(An Autonomous Institute)

Department of Basic Sciences

C E R T I F I C A T E

This is to certify that,

Mr./Ms. **Kalthe Mahika Mahesh** of ADCET Ashta, has

participated/secured

Prize in **model making** Event / worked as organizing

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Mr./Ms. **Tumma Muralikrishna Raju**

of ADCET Ashta, has

participated / ~~secured~~

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Event / worked as organizing

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Prof. R. A. Kanai
Executive Director, SOSS, Islampur



OBSES103- Basic Electrical Engineering

Annasaheb Dange College of Engineering & Technology, Ashta

An Autonomous Institute Department of Basic Science

ACADEMIC YEAR 2017-2018 SEM I

Weak Bright Student Analysis

Division : C

Course : OBSES103 Basic Electrical Engineering

Roll No	Name	ISE-I MARKS	STATUS (W/B)	MSE MARKS	STATUS (W/B)	ISE-II MARKS	STATUS (W/B)	ESE MARKS	STATUS (W/B)	General Approach	STATUS (W/A/B)	performance in laboratory	status
301	CHAVAN AKASH VIJAY	7	BRIGHT	5	WEAK	10	BRIGHT	40	BRIGHT	Good student	BRIGHT	Properly handles and take reading	Good
302	ANANTPURE GIRISH SADASHIV	10	BRIGHT	11	WEAK	10	BRIGHT	48	BRIGHT	Good student	BRIGHT	Contributions in team	Good
303	AWARE PAWAN DHANARAJ	9	BRIGHT	11	WEAK	10	BRIGHT	46	BRIGHT	Good student	BRIGHT	handles properly	Good
304	BUCHADE TEJAS GAJANAN	6	BRIGHT	18	BRIGHT	10	BRIGHT	54	BRIGHT	Good student	BRIGHT	Careless handling of equipment's	Good
305	CHOUGULE SAMMED SUKUMAR	9	BRIGHT	10	WEAK	10	BRIGHT	47	BRIGHT	Good student	BRIGHT	Fairly good	Good
306	CHOUGULE SANDESH SANJAY	10	BRIGHT	11	WEAK	10	BRIGHT	51	BRIGHT	Good student	BRIGHT	Lack in self-learning	Good
307	JADHAV DARSHANA SUNIL	7	BRIGHT	6	WEAK	10	BRIGHT	40	BRIGHT	Good student	BRIGHT	Lack in confidence	Good
308	DINGANE AKSHAY ASHOK	8	BRIGHT	15	BRIGHT	9	BRIGHT	51	BRIGHT	Good student	BRIGHT	punctual neat and tidy	Good
309	SALUNKHE GANESH JALINDAR (IL)	10	BRIGHT	17	BRIGHT	10	BRIGHT	60	BRIGHT	Good student	BRIGHT	Properly handles and take reading	Good
310	GAVADE SHREYASH SADASHIV	9	BRIGHT	20	BRIGHT	8	BRIGHT	57	BRIGHT	Good student	BRIGHT	Contributions in team	Good
311	GHADAGE OMKAR DHANAJI	9	BRIGHT	24	BRIGHT	10	BRIGHT	69	BRIGHT	Good student	BRIGHT	handles properly	Good
312	GHODAKE PRANJALI JEEVAN	10	BRIGHT	17	BRIGHT	10	BRIGHT	61	BRIGHT	Good student	BRIGHT	Careless handling of equipment's	Good
313	GUNJAWATE PRITAM SUPRYAK AN	10	BRIGHT	19	BRIGHT	10	BRIGHT	69	BRIGHT	Good student	BRIGHT	Fairly good	Good
314	HAJARE PRATHAMESH DHANANAJI	8	BRIGHT	11	WEAK	10	BRIGHT	43	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
315	HUPARE ASHUTOSH ARUN	10	BRIGHT	21	BRIGHT	9	BRIGHT	61	BRIGHT	Good student	BRIGHT	Lack in confidence	Good
316	JADHAV SANGRAM SHRIRANG	10	BRIGHT	25	BRIGHT	10	BRIGHT	83	BRIGHT	Good student	BRIGHT	punctual neat and tidy	Good
317	JAYVARDHAN SUBHASH KUMAR	6	BRIGHT	15	BRIGHT	10	BRIGHT	48	BRIGHT	Good student	BRIGHT	Fairly good	Good
318	KADAM PRAVIN ANKUSH	8	BRIGHT	13	BRIGHT	10	BRIGHT	51	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
319	KALE HRISHIKESH RAVINDRA	10	BRIGHT	14	BRIGHT	10	BRIGHT	64	BRIGHT	Good student	BRIGHT	punctual neat and tidy	Good
320	KALEL VAIBHAV BHOJLING	10	BRIGHT	12	BRIGHT	9	BRIGHT	52	BRIGHT	Good student	BRIGHT	punctual neat and tidy	Good
322	KAMBLE SURAJ NANDKISHOR	4	BRIGHT	8	WEAK	10	BRIGHT	32	WEAK	Good student	WEAK	punctual neat and tidy	Good
323	KENGAR AJAY SANTOSH	8	BRIGHT	7	WEAK	9	BRIGHT	36	WEAK	Good student	WEAK	Fairly good	Good
324	KHADE ABHIJIT BALASO	6	BRIGHT	9	WEAK	9	BRIGHT	45	BRIGHT	Good student	BRIGHT	punctual neat and tidy	Good
325	KOLI ASHITOSH EKNATH	3	WEAK	0	WEAK	10	BRIGHT	22	WEAK	Good student	WEAK	Fairly good	Good
326	KUKADKAR JITESH GANGADHAR	10	BRIGHT	12	BRIGHT	10	BRIGHT	56	BRIGHT	Good student	BRIGHT	Punctuality	Good
327	KULKARNI VIKAS VIJAY	7	BRIGHT	9	WEAK	10	BRIGHT	46	BRIGHT	Good student	BRIGHT	Fairly good	Good
328	KUMBHAR ATHARV SAMBHAJI	10	BRIGHT	13	BRIGHT	9	BRIGHT	53	BRIGHT	Good student	BRIGHT	Fairly good	Good
329	LAWATE PRATHAMESH BHIKAJI	5	BRIGHT	0	WEAK	10	BRIGHT	24	WEAK	Good student	WEAK	Lack in confidence	Good

330	MALI PRATHAMESH RANJIT	9	BRIGHT	8	WEAK	10	BRIGHT	47	BRIGHT	Good student	BRIGHT.	punctual neat and tidy	Good
331	MOHITE NANDKUMAR BALKRISHN	10	BRIGHT	8	WEAK	10	BRIGHT	49	BRIGHT	Good student	BRIGHT	Punctuality	Good
332	MUKUND BALASAHEB KHATAVKA	9	BRIGHT	11	WEAK	9	BRIGHT	35	WEAK	Good student	WEAK	Fairly good	Good
333	PATIL OMKAR DEELIP (IL)	4	BRIGHT	10	WEAK	8	BRIGHT	28	WEAK	Good student	WEAK	Lack in confidence	Average
334	NIKAM VIJAY CHANDRAKANT	5	BRIGHT	10	WEAK	9	BRIGHT	33	WEAK	Good student	WEAK	Lack in confidence	Good
335	PANDHARE ABHIJEET JAYASING	9	BRIGHT	13	BRIGHT	10	BRIGHT	60	BRIGHT	Good student	BRIGHT	Fairly good	Good
336	PATIL SHUBHAM SAMBHAJI	10	BRIGHT	12	BRIGHT	7	BRIGHT	49	BRIGHT	Good student	BRIGHT	Lack in confidence	Fair
337	PATIL SOURABH PRAKASH	7	BRIGHT	7	WEAK	10	BRIGHT	38	WEAK	Good student	WEAK	Good in self-learning	Good
338	PAWAR ASHISH VASANT	10	BRIGHT	22	BRIGHT	7	BRIGHT	65	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
339	PAWAR MANOJ GOVIND	6	BRIGHT	6	WEAK	9	BRIGHT	26	WEAK	Good student	WEAK	Fairly good	Good
340	PHULARI ABHINANDAN S.	7	BRIGHT	12	BRIGHT	7	BRIGHT	41	BRIGHT	Good student	BRIGHT	Fairly good	Good
341	PRATIK HARIBHAU ROHANE	10	BRIGHT	9	WEAK	10	BRIGHT	48	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
342	PRATIK PRAKASH CHAVAN	10	BRIGHT	10	WEAK	7	BRIGHT	38	WEAK	Good student	WEAK	Good in self-learning	Good
343	RAVIKIRAN OMKAR JEURKAR	10	BRIGHT	12	BRIGHT	10	BRIGHT	40	BRIGHT	Good student	BRIGHT	Careless handling of equipment's	Good
344	SAIPRASAD SUNIL GANBAVALE	7	BRIGHT	12	BRIGHT	9	BRIGHT	42	BRIGHT	Good student	BRIGHT	Fairly good	Good
345	SANAP SANGRAM ATMARAM	7	BRIGHT	12	BRIGHT	9	BRIGHT	40	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
346	SANI RAJU SURYAWANSHI	7	BRIGHT	13	BRIGHT	9	BRIGHT	49	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
347	SARGAR SURAJ BABAN	10	BRIGHT	8	WEAK	9	BRIGHT	42	BRIGHT	Good student	BRIGHT	Fairly good	Good
348	SHELAKE SAGAR JAYVANT	10	BRIGHT	7	WEAK	10	BRIGHT	56	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
349	SHINDE PRITAM MARUTI	10	BRIGHT	8	WEAK	10	BRIGHT	62	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
350	SHIVRAJ SATEJKUMAR JADHAV	10	BRIGHT	16	BRIGHT	10	BRIGHT	58	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
351	THORAVADE PRATIK PRAKASH	9	BRIGHT	10	WEAK	10	BRIGHT	50	BRIGHT	Good student	BRIGHT	Fairly good	Good
352	VAIDYA VARUN VINAYAK	10	BRIGHT	13	BRIGHT	10	BRIGHT	56	BRIGHT	Good student	BRIGHT	Fairly good	Good
353	WADAR SWATANTRYA VITTHAL	10	BRIGHT	7	WEAK	9	BRIGHT	45	BRIGHT	Good student	BRIGHT	Fairly good	Good
354	YEDAGE RAMESH KONDIRA	10	BRIGHT	12	BRIGHT	10	BRIGHT	62	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
355	BHANUSE KOMAL NARAYAN	9	BRIGHT	5	WEAK	10	BRIGHT	42	BRIGHT	Good student	BRIGHT	Fairly good	Good
356	BHOSALE KOMAL SUNIL	8	BRIGHT	2	WEAK	10	BRIGHT	33	WEAK	Good student	WEAK	Contributions in team	Good
357	DALVI ANKITA DINESH	10	BRIGHT	12	BRIGHT	10	BRIGHT	59	BRIGHT	Good student	BRIGHT	Contributions in team	Good
358	MALKAR ANKITA ULHAS	9	BRIGHT	AB	BRIGHT	10	BRIGHT	58	BRIGHT	Good student	BRIGHT	Contributions in team	Good
359	MAYANIKAR POOJA GANESH	10	BRIGHT	8	WEAK	10	BRIGHT	52	BRIGHT	Good student	BRIGHT	Contributions in team	Good
360	MOHITE AISHWARYA AVINASH	10	BRIGHT	20	BRIGHT	9	BRIGHT	61	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
361	NADAF PAKIJA SALIM	10	BRIGHT	17	BRIGHT	10	BRIGHT	62	BRIGHT	Good student	BRIGHT	Lack in confidence	Good
362	PATIL RAJNANDINI NAMDEV	7	BRIGHT	15	BRIGHT	10	BRIGHT	46	BRIGHT	Good student	BRIGHT	Lack in confidence	Good
363	PATIL SAYALI SHAMRAO	8	BRIGHT	19	BRIGHT	10	BRIGHT	63	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
364	SHINDE SAYALI BHARAT	10	BRIGHT	19	BRIGHT	9	BRIGHT	66	BRIGHT	Good student	BRIGHT	Lack in confidence	Good

365	SUTAR PRIYANKA SURESH	10	BRIGHT	20	BRIGHT	10	BRIGHT	63	BRIGHT	Good student	BRIGHT	Good in self-learning	Good
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REPORT

NO OF STUDENTS WEAK IN ISE-I	1	NO OF STUDENTS WEAK IN MSE	30	NO OF STUDENTS WEAK IN ISE-II	0	NO OF STUDENTS WEAK IN ESE	11
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NO OF STUDENTS BRIGHT IN ISE-I	63	NO OF STUDENTS BRIGHT IN MSE	33	NO OF STUDENTS BRIGHT IN ISE-II	64	NO OF STUDENTS BRIGHT IN ESE	53
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EFFORT TAKEN ON WEAK STUDENTS	EFFORT TAKEN ON WEAK STUDENTS	EFFORT TAKEN ON WEAK STUDENTS	EFFORT TAKEN ON WEAK STUDENTS
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Providing Brief Hand written notes	Individual follow up for their continuous improvement	Providing handouts of presentations.	Counselling about study plan and time management
Counselled Individually	Counselling with Parents		

WORK GIVEN TO BRIGHT STUDENTS	WORK GIVEN TO BRIGHT STUDENTS	WORK GIVEN TO BRIGHT STUDENTS	WORK GIVEN TO BRIGHT STUDENTS
Providing: Question Bank (Unit wise).	Discussion sessions on previous university question papers in the class	Given assignment on important questions.	Individual follow up for their continuous improvement
Providing miscellaneous numerical for practice			

REMARK:

NO OF STUDENTS WEAK IN GENERAL APPROCH:

ROLL NO: 322, 323, 325, 329, 332, 333, 334, 337, 339, 342, 356

IDENTIFIED PROBLEM AND REMEDY: Fear of some subjects and counselled about their problems

Discussion and counselling have carried out to improve the confidence about subjects and to solve their problems.

NO OF STUDENTS VERY WEAK IN LABORATORY PERFORMANCE:

ROLL NO : 336

IDENTIFIED PROBLEM AND REMEDY: Lack of confidence while handling equipment and during oral

Discussion and practical demos given for improvement in handling equipments properly and counselling to solve their problems.

OVERALL AT THE END OF SEMESTER OF NO OF STUDENTS WEAK: 11



03/02/2018
Mr. M. D. Patil
SUBJECT INCHARGE
HOD, DEPARTMENT OF BASIC SCIENCES



Annasaheb Dange College of Engineering & Technology, Ashta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)
Department of Basic Sciences

Academic Year- 2017-18

Sem: I

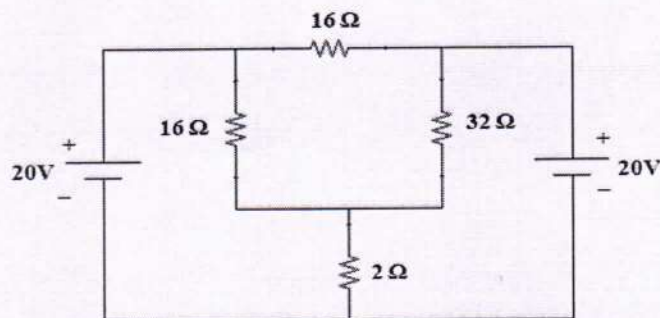
Action Plan for Bright Students in ISE-I

Subject: BEE

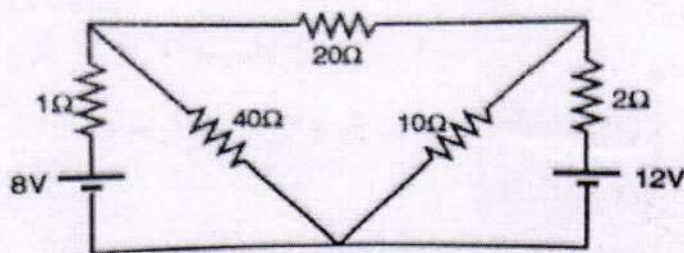
Question Bank (Unit Wise)

Unit Wise Question Bank

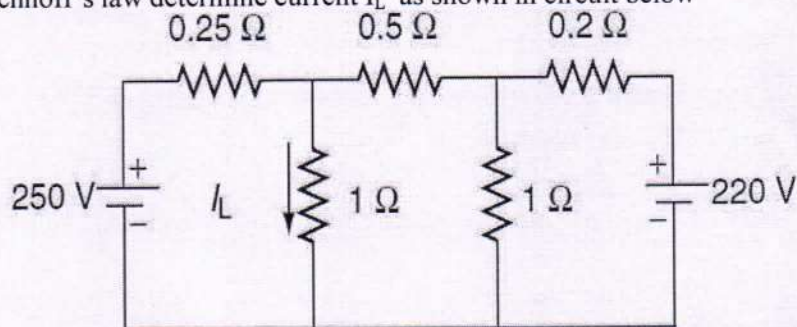
- 1] Define and state units of (i) current (ii) voltage (iii) Electrical Power (iv) Electrical Energy
- 2] Define the terms and state the units: i) Mechanical Power ii) Mechanical Energy iii) Heat energy iv) Specific Heat Capacity
- 3] State Ohm's law with its limitations.
- 4] State the Kirchhoff's Laws. Give suitable example with proper sign conventions.
- 5] Using Kirchhoff's laws, find the current flowing in 2 ohm resistance for the circuit shown in fig.



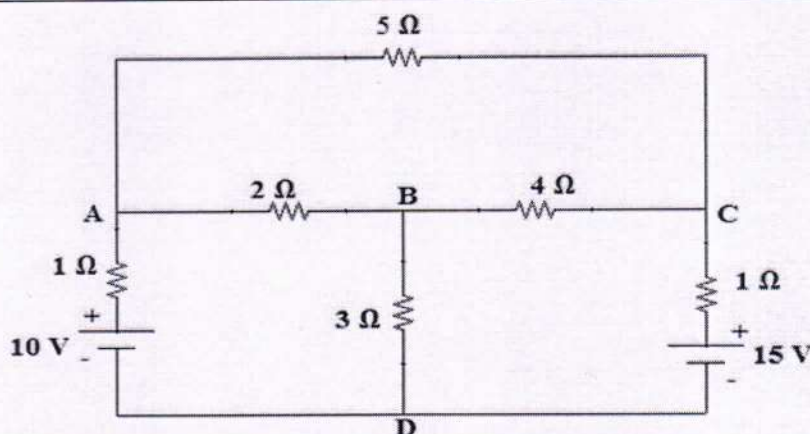
- 6] Determine current supplied by each battery



- 7] Using Kirchhoff's law determine current I_L as shown in circuit below



- 8] Find current flowing through each battery of the following circuit diagram.



9] An anti-parallel (in opposition) combination of two batteries with voltage and internal resistance respectively as (150 V, 0.2 Ω), (100 V, 0.5 Ω), is connected to a load resistance of 10 Ω . Determine load current.

10] Two batteries with internal resistance 1 Ω and 2 Ω with 10 V batteries are connected parallel to each other. This combination is connected to another battery of 20V and 3 Ω resistance. Find the current in each battery of the circuit.

1] Define: Magnetic flux, Flux Density, MMF, Reluctance, Permeability

2] Explain Magnetic Leakage and Fringing with neat diagram.

3] Explain magnetization Curve for magnetic and non-Magnetic materials

4] Give the comparison of electric circuit and magnetic circuit on the basis of similarities and dissimilarities.

5] An iron ring of mean length 60 cm has an air gap of 1 mm and winding of 200 turns. If the relative permeability of iron is 300, find the flux density when a current of 1 A flows through the coil.

6] A coil of 100 turns is uniformly wound over a wooden ring. The ring is having a mean circumference of 500 mm and a uniform cross-sectional area of 400 mm². A current of 4 A is passed through the coil. Calculate (a) the magnetic field strength H, (b) the flux density B and (c) the total flux Φ

7] A coil of 2000 turns is wound uniformly over a nonmagnetic ring of mean circumference of 80 cm and cross section area of 0.6 cm². If the current through the coil is 2 amperes calculate:
1) Magnetising Force 2) Reluctance 3) Total flux 4) Flux Density

8] An iron ring having mean length of iron path of 90 cm is having air gap 1 mm wide. It is wound with coil having 1200 turns. Flux density of 1 tesla is to be produced in air gap. Assuming relative permeability of iron to be 1100 and neglecting fringing. Calculate current required to be sent through the coil

9] An iron ring with a mean circumference of 200 cm and cross-section of 14 cm² is wound with 200 turns of wire when the exciting current is 4 A and the flux is found to be 1.4 mWb. What is the relative permeability of the iron?

10] A steel ring having a cross-sectional area 12.56 cm² & a mean diameter 100 mm has a coil of 100 turns wound uniformly around it. A magnetic flux of $\Phi = 2 \times 10^{-3}$ Wb is to be produced in the ring. Calculate 1) The current required
2) The relative permeability of steel

1] Explain how single phase AC EMF can be generated by rotating a coil in uniform magnetic field.

2] Define and Explain RMS and Average value using graphical and analytical method.

3] Write short note on: i) Average Value ii) RMS Value iii) Peak factor iv) Form factor

4] Derive expression for impedance for resistive circuit
5] Derive expression for impedance for inductive circuit
6] Derive expression for impedance for capacitive circuit
7] Derive expression for impedance for RLC series circuit
8] A load of 22 KW operates at 0.8 power factor (Lagging). When connected to a 420 V, 1 phase, 50 Hz source find Current in the load, Power factor angle, Impedance, write equation of voltage and current.
9] A R-C series circuit takes 4 ampere from 230V 50 Hz supply. If the power consumed by circuit is 640 watts. Calculate values of resistance and capacitor
10] A series R-L-C circuit has resistance of 50Ω , inductance for 0.1 H and capacitance of $50\mu\text{F}$ connected across single phase 230 V, 50 Hz supply. Calculate: Current drawn by circuit, Power factor of the circuit, Active and reactive power consumed by circuit, Draw phasor diagram
11] A circuit consisting of resistance of 20Ω and inductance of 0.1 H is connected in series across single phase 200 V. 50 Hz supply. Calculate current drawn and power consumed.
12] An inductive coil takes 10A and dissipates 1000W when connected to a supply at 250 V, 25 Hz. Calculate impedance, reactance, inductance and power factor.
13] Explain generation Three Phase AC voltage.
14] Compare the single phase system and three phase system.
15] Explain the balanced and unbalanced three phase supply and load system.

1] Explain the concept of earthing.
2] What is the necessity of earthing?
3] Describe the plate earthing
4] Describe the pipe earthing
5] State different types of switches
6] Explain construction and characteristics of HRC fuse
7] Describe simple wiring system
8] Describe staircase wiring system
9] Describe godown wiring system

1] Explain construction and working principle of single phase transformer
2] Explain the core type and shell type transformer with neat diagrams Or Give the classification of transformer and Compare the core type and shell type transformer
3] Derive EMF equation of transformer. Write voltage and current transformation ratio
4] Explain construction and working principle of DC motor
5] Give different types of DC motor
6] What are the different types of DC motor and its applications?
7] A 2000/200 V, 20 kVA transformer has 66 turns in the secondary winding. Calculate the (a) primary turns, (b) primary full-load currents and (c) secondary full-load currents. Neglect the losses.
8] A 200KVA, 3300 / 240V, 50Hz single phase transformer has 80 turns on secondary. Assuming an ideal transformer, calculate: a. Primary & secondary current on full load b. Maximum value of flux c. No. of primary turns

9] A 100 kVA, 230 V/2200 V, 50 Hz, single phase transformer has 50 turns on the secondary winding. Assuming an ideal transformer. Calculate,

- a. Number of primary turns
- b. Maximum value of flux in core
- c. Primary and secondary current on full load

10] A 230V, 50Hz supply is connected to the primary winding of a single phase transformer. The secondary winding has 1500 turns. If the maximum value of core flux is 2.07 mWb, determine: 1) The number of turns on the primary 2) The secondary induced voltage 3) The net cross sectional area if the flux density has maximum value of 0.465 Tesla.

1] Explain construction and working of single phase I.M

2] Explain construction and working of split phase I.M

3] Why single phase IM is not self starting. Explain double revolving field theory.

4] Explain construction and working of split phase IM with diagrams.

5] Explain construction and working of Capacitor start capacitor run I.M

6] Explain construction and working of shaded pole I.M. State any four applications

7] Explain construction and working principle of Universal Motor. Explain the types of it. State any four applications of it.



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Department of Basic Sciences

Academic Year- 2017-18

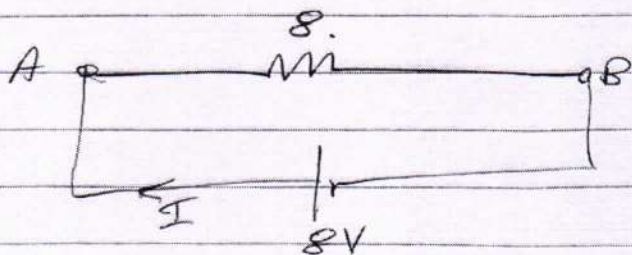
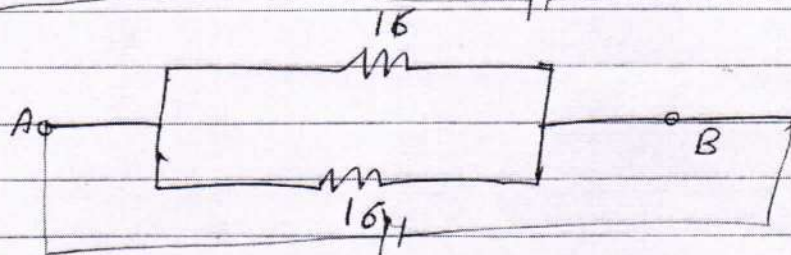
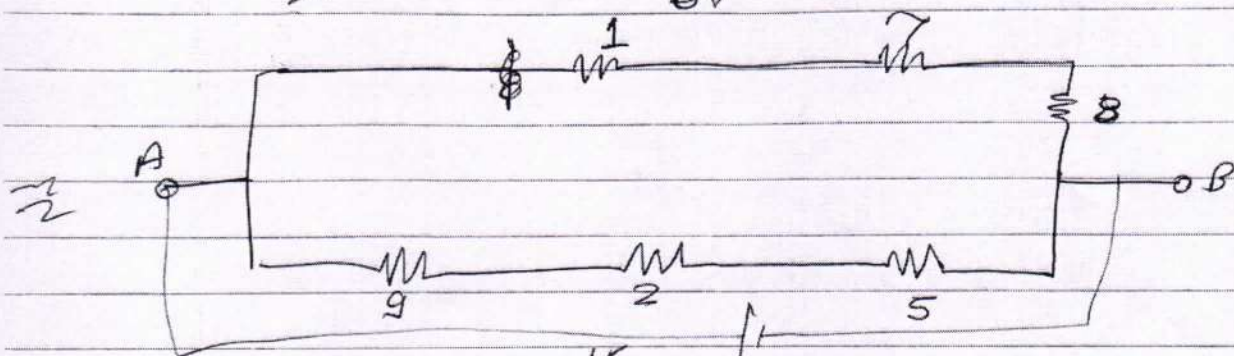
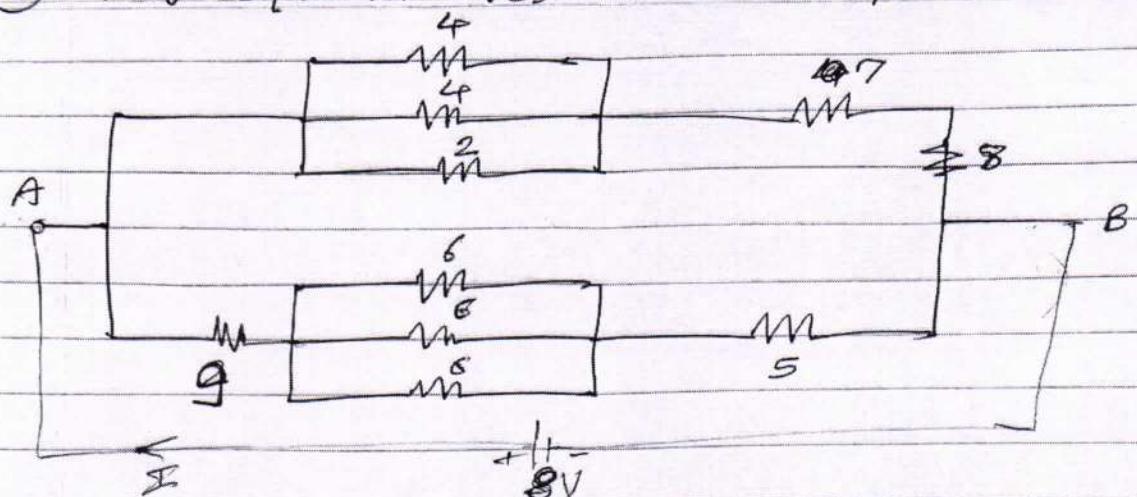
Sem: I

Action Plan for Weak Students in ISE-I

Subject: BEE

Brief Hand Written Notes

Current I.
C.g. ① Find equivalent resistance betⁿ point A & B.



By ohms Law.

$$V = IR$$

$$\therefore I = \frac{V}{R}$$

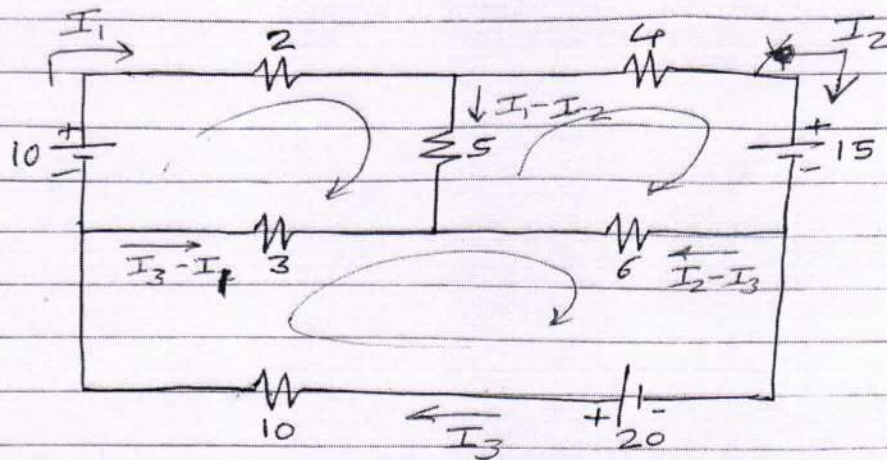
$$= \frac{8}{8}$$

$$I = 1A$$

Shingare P.N. 45
 Eg. 1.44

(17)

eg. ① Write KVL eqn for the network below.

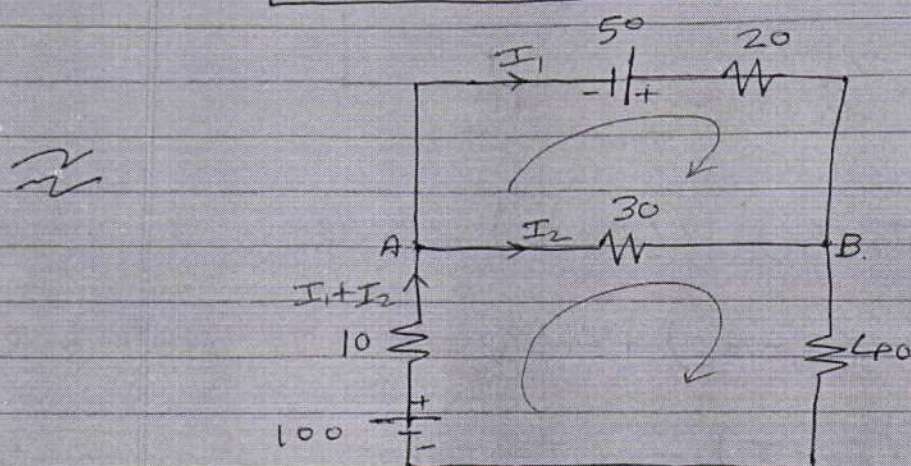
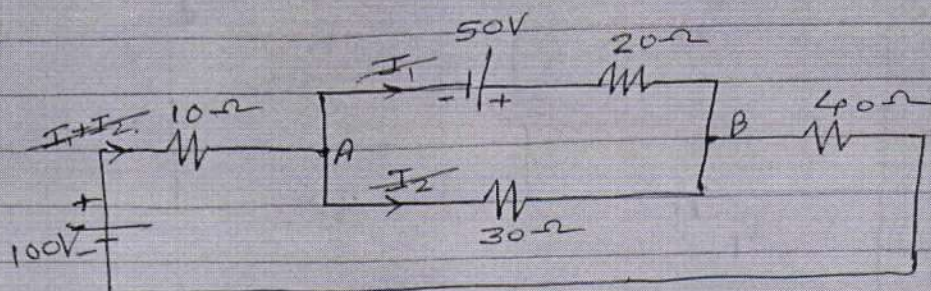


$$2I_1 + 5(I_1 - I_2) - 3(I_3 - I_1) = 10 \quad \text{--- (I)}$$

$$6(I_2 - I_3) - 5(I_1 - I_2) + 4I_2 = -15 \quad \text{--- (II)}$$

$$10I_3 + 3(I_3 - I_1) - 6(I_2 - I_3) = 20 \quad \text{--- (III)}$$

eg. ① Find the current flowing through the $30\text{-}\Omega$ resistance in the circuit using Kirchhoff's law.



$$20I_1 - 30I_2 = 50 \quad \text{--- (I)}$$

$$10(I_1 + I_2) + 30I_2 + 40(I_1 + I_2) = 100 \quad \text{--- (II)}$$

$$50I_1 + 80I_2 = 100 \quad \text{--- (II)}$$

$$I_1 = \frac{100 - 80I_2}{50} = 2 - 1.6I_2$$

put I_1 in eqn (I)

$$20 \left(\frac{100 - 80I_2}{50} \right) - 30I_2 = 50$$

$$20(2 - 1.6I_2) - 30I_2 = 50$$

$$40 - 32I_2 - 30I_2 = 50$$

$$-62I_2 = 10$$

$$\therefore I_2 = -0.16 \text{ A}$$

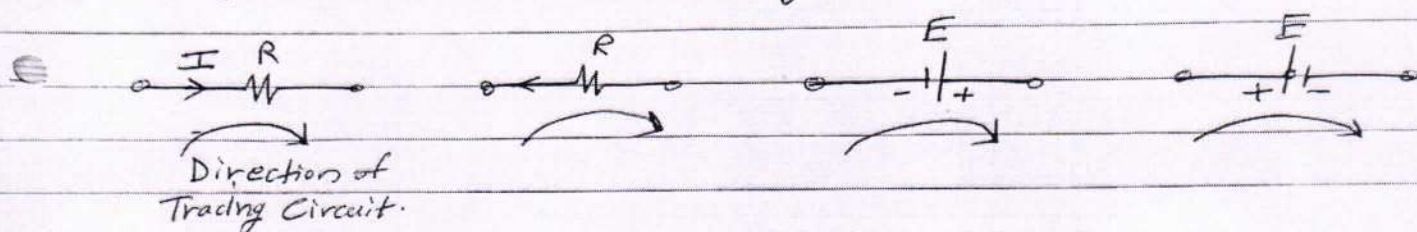
Negative sign indicates that current I_2 actually flows from B to A.

② Kirchhoff's Voltage Law (KVL)/Second Law/Mesh Law

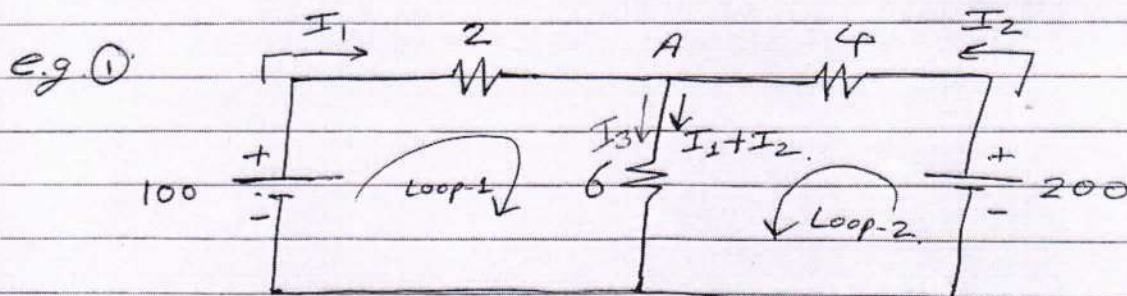
This law states that in a closed circuit, the algebraic sum of the products of the current & the resistance of each branch of that circuit is equal to the algebraic sum of the emf in that circuit.

$$\sum IR = \sum E$$

★ Sign Convention for writing KVL $\sum IR = \sum E$



$+IR$	$-IR$	$+E$	$-E$
$-IR$	$+IR$	$+E$	$-E$



$$\begin{aligned} 2I_1 + 6(I_1 + I_2) &= 100 & \text{--- (I)} \\ 4I_2 + 6(I_1 + I_2) &= 200 & \text{--- (II)} \\ \hline 8I_1 + 6I_2 &= 100 \\ 6I_1 + 12I_2 &= 200 - \end{aligned}$$



Annasaheb Dange College of Engineering & Technology, Ashta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Basic Sciences

Date: 22/10/2018

Notice

All the students of **F.Y. Div-C** who have got marks above **12** in **MSE** exam in the subject **Basic Electrical Engineering** & have been considered **Bright** students are informed to join the 'Discussion Session' planned on Saturday 23/10/2018 in Tutorial Hall at 4.15 pm. Attendance is compulsory.

Subject In charge



HOD



Annasaheb Dange College of Engineering & Technology, Ashta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Basic Sciences

Date: 23/10/2018

Discussion Session Attendance

Bright Students

Roll No	Name of Students	Sign
308	DINGANE AKSHAY ASHOK	<u>Dingane</u>
309	SALUNKHE GANESH JALINDAR (IL)	<u>Ganesh</u>
310	GAVADE SHREYASH SADASHIV	<u>Gavade</u>
311	GHADAGEOMKARDHANAJI	<u>Ghadage</u>
312	GHODAKE PRANJALI JEEVAN	<u>Pranjali</u>
313	GUNJAWATE PRITAM SURYAKANT	<u>P.S.G.</u>
315	HUPARE ASHUTOSH ARUN	<u>A.A. Hupare</u>
316	JADAHV SANGRAM SHRIRANG	<u>Jadav</u>
317	JAYVARDHAN SUBHASH KUMBHAR (IL)	
318	KADAM PRAVIN ANKUSH	<u>Kadam</u>
319	KALE HRISHIKESH RAVINDRA	
320	KALEL VAIBHAV BHOJLING	<u>Kalel</u>
326	KUKADKAR JITESH GANGADHAR	
328	KUMBHAR ATHARV SAMBHAJI	
335	PANDHARE ABHIJEET JAYASING	
336	PATIL SHUBHAM SAMBHAJI	<u>Patil</u>
338	PAWARASHISH VASANT	
340	PHULARI ABHINANDAN SHARANKUMAR	<u>P.A.S.</u>
343	RAVIKIRAN OMKAR JEURKAR	
344	SAIPRASAD SUNIL GANBAVALE	
345	SANAP SANGRAM ATMARAM	<u>Sanap</u>
346	SANI RAJU SURYAWANSHI	
350	SHIVRAJ SATEJKUMAR JADHAV	
352	VAIDYA VARUN VINAYAK	<u>Vaidya</u>
354	YEDAGE RAMESH KONDIBA	
357	DALVI ANKITA DINESH	
358	MALKAR ANKITA ULHAS	<u>Amkar</u>
360	MOHITE AISHWARYA AVINASH	
361	NADAF PAKIJA SALIM	
362	PATIL RAJNANDINI NAMDEV	<u>Patil</u>



Annasaheb Dange College of Engineering & Technology, Ashta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Basic Sciences

363	PATIL SAYALI SHAMRAO	<u>Patil.</u>
364	SHINDE SAYALI BHARAT	<u>S. Shinde,</u>
365	SUTAR PRIYANKA SURESH	<u>P. S. Sutar</u>

Mr. Patil
course In charge





Annasaheb Dange College of Engineering & Technology, Ashta

(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Basic Sciences

Date: 19/10/2018

Notice

All the students of **F.Y. Div-C** who have got marks less than **12** in **MSE** exam in the subject **Basic Electrical Engineering** & have been considered **Weak** students are informed to join the 'Individual Counseling Session' planned on Saturday 20/10/2018 in Tutorial Hall at 4.15 pm. Attendance is compulsory.

Subject In charge



HOD



Annasaheb Dange College of Engineering & Technology, Ashta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Basic Sciences

Counseling Session Attendance

Weak Students

Roll No	Name of Students	Sign
301	CHAVAN AKASH VIJAY	
302	ANANTPURE GIRISH SADASHIV	
303	AWARE PAWAN DHANARAJ	
305	CHOUGULE SAMMED SUKUMAR	
306	CHOUGULE SANDESH SANJAY	
307	JADHAV DARSHANA SUNIL	
314	HAJARE PRATHAMESH DHANANJAY	
322	KAMBLE SURAJ NANDKISHOR	
323	KENGAR AJAY SANTOSH	
324	KHADE ABHIJIT BALASO	
325	KOLI ASHITOSH EKNATH	
327	KULKARNI VIKAS VIJAY	
329	LAWATE PRATHAMESH BHIKAJI	
330	MALI PRATHAMESH RANJIT	
331	MOHITE NANDKUMAR BALKRISHNA	
332	MUKUND BALASAHEB KHATAVKAR (IL)	
333	PATIL OMKAR DEELIP (AC)	
334	NIKAM VIJAY CHANDRAKANT	
337	PATIL SOURABH PRAKASH	
339	PAWAR MANOJ GOVIND	
341	PRATIK HARIBHAU ROHANE	
342	PRATIK PRAKASH CHAVAN	
347	SARGAR SURAJ BABAN	
348	SHELAKESAGARJAYVANT	
349	SHINDE PRITAM MARUTI	
351	THORAVADE PRATIK PRAKASH	
353	WADAR SWATANTRYA VITTHAL	
355	BHANUSE KOMAL NARAYAN	
356	BHOSALE KOMAL SUNIL	
359	MAYANIKAR POOJA GANESH	

[Signature]
Course In charge





0EEPC209- DC Machines and Transformers

Annasaheb Dange College of Engineering and Technology, Ashta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Electrical Engineering

Course Code- OEEPC209 , Course Name- DC Machines and Transformer

Class- S.Y. (A) Year-2019-20 Semester- EVEN

Weak Bright Student Analysis:

Roll No	Name	ISE-I MARKS (10)	STATUS (W/B)	MSE MARKS (30)	STATUS (W/B)	ISE-II MARKS (10)	STATUS (W/B)	ESE MARKS (50)	STATUS (W/B)	General Approach (Weak /Average /Good)	STATUS (W/A/B)	Performance in laboratory	Status (W/A/B)
101	INAMDAR ABDULVAHID	5	BRIGHT	16	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
102	BANDAL RUSHIKESH RAMRAO	4	BRIGHT	7	WEAK	9	BRIGHT	NA	NA	Good	Good	16	Average
103	MORE SURAJ SARJERAO	2	WEAK	22	BRIGHT	9	BRIGHT	NA	NA	Good	Good	19	Average
104	/LANDE MAYURI PRAKASH	8	BRIGHT	23	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	BRIGHT
105	HONRAO VISHAL ASHOK	3	WEAK	15	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	Average
106	/DOMBALE SUKHADA BALASAHEB	7	BRIGHT	22	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
107	/GAIKWAD NIKITA DHANANJAY	7	BRIGHT	21	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
108	/BOTRE DIVYA UMESH	4	BRIGHT	25	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	BRIGHT
109	/DESAI SWALEHA KAYYUM	5	BRIGHT	21	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
110	/PATIL AISHWARYA ATUL	6	BRIGHT	19	BRIGHT	9	BRIGHT	NA	NA	Average	Average	20	BRIGHT
111	/KAPASE RUTUJA DINESH	4	BRIGHT	19	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
112	KAMBLE ADITYA AMOL	5	BRIGHT	12	BRIGHT	9	BRIGHT	NA	NA	Good	Good	15	Average
113	PATEL TOUFIQ KASAM	6	BRIGHT	20	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
114	MOMIN ARBAJ JABAR	8	BRIGHT	18	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	BRIGHT
115	NIKAM SIDDHESH SANJAY	0	WEAK	0	WEAK	0	WEAK	NA	NA	Weak	Weak	0	Weak
116	PATIL PRATHAMESH RAJENDRA	4	BRIGHT	23	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
117	HAJARE DIGVIJAY DASHARATH	6	BRIGHT	17	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
118	PAWAR AMAR SAMBHAJI	5	BRIGHT	12	BRIGHT	9	BRIGHT	NA	NA	Average	Average	17	Average
119	KUMBAR ANKUSH ANNASAHEB	5	BRIGHT	20	BRIGHT	9	BRIGHT	NA	NA	Good	Good	19	Average
120	GHORPADE PRATHAMESH	2	WEAK	16	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
121	DHEBE RUSHIKESH RAJENDRA	7	BRIGHT	22	BRIGHT	9	BRIGHT	NA	NA	Average	Average	21	BRIGHT
122	GADADE SATYAJEET BAPUSO	2	WEAK	17	BRIGHT	9	BRIGHT	NA	NA	Weak	Weak	19	Average
123	CHAVAN SHRIDHAR GANAPATI	4	BRIGHT	10	WEAK	9	BRIGHT	NA	NA	Average	Average	17	Average
124	SANJIGOL ABHISHEK GANGARAM	5	BRIGHT	15	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
125	PATIL VIJAY JANARDAN	5	BRIGHT	24	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	BRIGHT
126	PATIL ROHAN SHASHIKANT	6	BRIGHT	12	BRIGHT	9	BRIGHT	NA	NA	Average	Average	20	BRIGHT
127	/PATIL RUTUJA RAJARAM	2	WEAK	19	BRIGHT	9	BRIGHT	NA	NA	Good	Good	17	Average
128	/MANE AMRUTA SADANAND	2	WEAK	20	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
129	/KHOT KOMAL BHIMRAO	2	WEAK	12	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
130	SHINDE AVIRAJ ARVIND	5	BRIGHT	16	BRIGHT	9	BRIGHT	NA	NA	Good	Good	17	Average



131	MANE AJINKYA SARJERAO	7	BRIGHT	21	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	BRIGHT
132	SUTAR PRACHODAY RAJKUMAR	3	WEAK	8	WEAK	9	BRIGHT	NA	NA	Good	Good	19	Average
133	RUSHIKESH RAVINDRA GAWADE	6	BRIGHT	19	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
134	KAMBLE ROHIT PRAKASH	5	BRIGHT	14	BRIGHT	9	BRIGHT	NA	NA	Good	Good	18	Average
135	CHAVAN RAHUL ARUN	6	BRIGHT	14	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
136	WAGHMODE RAHUL TANAJI	0	WEAK	0	WEAK	0	WEAK	NA	NA	Weak	Weak	0	Weak
137	GAWADE NIKHIL VILAS	6	BRIGHT	20	BRIGHT	9	BRIGHT	NA	NA	Weak	Weak	19	Average
138	SUTAR OMKAR SANJAY	6	BRIGHT	21	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	BRIGHT
139	/GAVADE PRATIBHA SUDAM	3	WEAK	20	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	Average
140	/BAMANE SWARANJALI SANJAY	3	WEAK	14	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
141	THAVARE VIKRAM SUBHASH	6	BRIGHT	16	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	Average
142	/KOLI POOJA PANDURANG	4	BRIGHT	6	WEAK	8	BRIGHT	NA	NA	Good	Good	20	Average
143	PARIT OMKAR GAJANAN	1	WEAK	10	WEAK	9	BRIGHT	NA	NA	Good	Good	15	Average
144	SAYYAD JUBER AJIJ	6	BRIGHT	23	BRIGHT	8	BRIGHT	NA	NA	Average	Average	21	BRIGHT
145	JADHAV SHUBHAM DASHRATH	5	BRIGHT	13	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	BRIGHT
146	SUYOG ASHOK YEWALE	6	BRIGHT	19	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	BRIGHT
147	DHABU PRATIK ADINATH (IL)	1	WEAK	2	WEAK	9	BRIGHT	NA	NA	Good	Good	20	Average
148	/DHOLE PRAJAKTA SHIVAJI (IL)	6	BRIGHT	14	BRIGHT	8	BRIGHT	NA	NA	Good	Good	21	BRIGHT
149	MOTE ANIKET SHIVAJI (BT)	3	WEAK	2	WEAK	8	BRIGHT	NA	NA	Good	Good	22	BRIGHT
150	PAWAR SHARAD MALLINATH (BT)	2	WEAK	22	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	BRIGHT
151	/DEVAKARE PRIYANKA BHARAT	8	BRIGHT	23	BRIGHT	8	BRIGHT	NA	NA	Average	Average	21	BRIGHT
152	/JADHAV SHRADHA SIDHAPPA	6	BRIGHT	14	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	Average
153	/KAMBLE VRUSHALI BALU	5	BRIGHT	14	BRIGHT	8	BRIGHT	NA	NA	Good	Good	19	Average
154	SADAFULE SAGAR KAILAS	5	BRIGHT	15	BRIGHT	9	BRIGHT	NA	NA	Good	Good	22	BRIGHT
155	/PATIL SRUSHTI SAMBHAJI	0	WEAK	0	WEAK	0	WEAK	NA	NA	Weak	Weak	13	Average
156	/JADHAV ANKITA SAMBHAJI	5	BRIGHT	22	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
157	NAIK SARVESH SADANAND	8	BRIGHT	14	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	BRIGHT
158	/JADHAV SHRADDHA RAJENDRA	5	BRIGHT	18	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
159	KAMBALE SOURABH KUNDANLAL	7	BRIGHT	22	BRIGHT	8	BRIGHT	NA	NA	Good	Good	21	BRIGHT
160	PATIL PRANAV PRAMOD	3	WEAK	20	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	Average
161	KUMBHAR MANOHAR ASHOK	8	BRIGHT	20	BRIGHT	9	BRIGHT	NA	NA	Good	Good	15	Average
162	/PATIL ARTI SARJERAO	8	BRIGHT	23	BRIGHT	8	BRIGHT	NA	NA	Good	Good	22	BRIGHT
163	/GAVRE DIVYA GANPATI	3	WEAK	17	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
164	/KAPURKAR NEHA UMESH	4	BRIGHT	23	BRIGHT	9	BRIGHT	NA	NA	Good	Good	21	BRIGHT
165	PATIL SAMMED SUNIL	7	BRIGHT	16	BRIGHT	9	BRIGHT	NA	NA	Good	Good	20	Average
166	/VASAGADEKAR AISHWARYA	7	BRIGHT	24	BRIGHT	9	BRIGHT	NA	NA	Good	Good	22	BRIGHT
167	/RAUT SHRUTI RAJENDRA	5	BRIGHT	20	BRIGHT	9	BRIGHT	NA	NA	Good	Good	22	BRIGHT
168	SAH PRAKASHKUMAR	3	WEAK	13	BRIGHT	8	BRIGHT	NA	NA	Good	Good	20	BRIGHT

REPORT

NO OF STUDENTS WEAK IN ISE-I	20	NO OF STUDENTS WEAK IN MSE	10	NO OF STUDENTS WEAK IN ISE-II	3	NO OF STUDENTS WEAK IN ESE	0
NO OF STUDENTS BRIGHT IN ISE-I	48	NO OF STUDENTS BRIGHT IN MSE	58	NO OF STUDENTS BRIGHT IN ISE-II	65	NO OF STUDENTS BRIGHT IN ESE	0
EFFORT TAKEN ON WEAK STUDENTS		EFFORT TAKEN ON WEAK STUDENTS		EFFORT TAKEN ON WEAK STUDENTS		EFFORT TAKEN ON WEAK STUDENT	
Assignment + Weekly Meeting + Remedial Class		Assignment + Weekly Meeting + Remedial Class		Assignment + Weekly Meeting + Remedial Class		Assignment + Weekly Meeting + Remedial Class	
WORK GIVEN TO BRIGHT STUDENTS		WORK GIVEN TO BRIGHT STUDENTS		WORK GIVEN TO BRIGHT STUDENTS			
Assignment		Assignment		Assignment			

REMARK:

NO OF STUDENTS WEAK IN GENERAL APPROCH:

ROLL NO: 0



IDENIFIED PROBLEM AND REMEDY:

NO OF STUDENTS VERY WEAK IN LABORATORY PERFORMANCE: 0

ROLL NO :

IDENIFIED PROBLEM AND REMEDY:

OVERALL AT THE END OF SEMESTER OF NO OF STUDENTS WEAK: 03

 SUBJECT INCHARGE	 HOD, DEPARTMENT OF ELECTRICAL ENGINEERING
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DEPARTMENT OF ELECTRICAL ENGINEERING

Academic Year: 2019-20

Semester: EVEN

Class: S.Y. (ELE)

Course: DC Machines & Transformer

Examination Type: ISE-I, II & MSE

Name and Designation of course Coordinator: Mr. N. M. Jamadar, Assistant Professor

SUMMARY

In the conducted ISE – I, MSE & ISE II the following result we are getting & accordingly we identify the Weaker and Brighter students.

Exam	ISE - I		MSE		ISE - II	
Total No of students in Class	68		68		68	
Status	Number of weak students	Number of bright students	Number of weak students	Number of bright students	Number of weak students	Number of bright students
Total No. of students identified as Weak/Bright	20	48	10	58	03	65

After finding the weaker and brighter students following was the actions taken for weak students:


1. Conducted Lecture
2. Given assignment to write.

Actions taken for utilization of Bright Students: Given assignment to write.

Progress of the students performance will get observed in the conducted MSE as well as ISE - II exam & that improvement in the performance of students is shown through above table. The above table shows the progress of the students. In ISE - I the weak learners are 20 and after MSE exam, the weak learners are 10 & after ISE – II the weak learners are 03. Similarly for average and bright student there is progress in learning of the course.



Course Coordinator



HOD ELE



Assignment No-1

PAGE NO.:

DATE: / /

Q.1 Draw and explain Constructional details of Single phase transformer with types and application?

Ans Construction -

A transformer is a static piece of equipment used either for raising or lowering the vtg of an a.c supply with the corresponding increase or decrease in current.

① It consists of two types of winding primary and secondary wound on common laminated magnetic core.

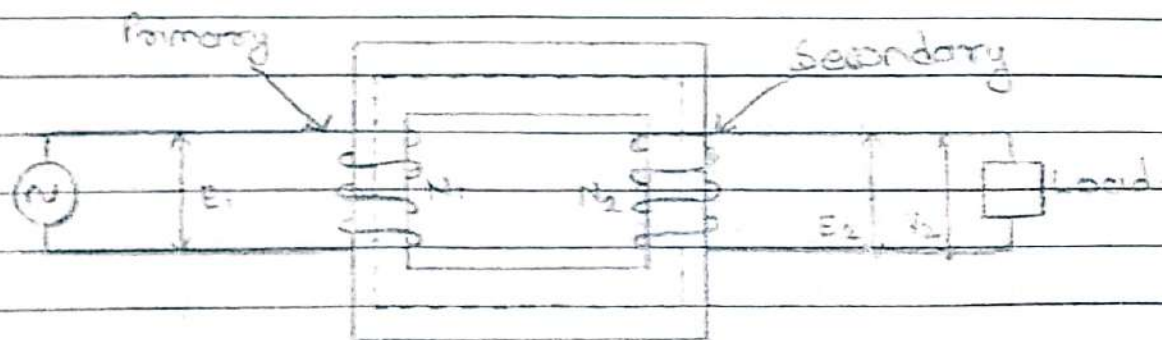
② The winding connected to a.c supply is primary & winding which is connected to load is secondary.

③ The alternating vtg 'v' supplied to primary windings whose magnitude will be change.

④ Depending upon on the no. of turns of primary (N_1) & secondary (N_2) an alternating emf induced in secondary.

⑤ When $V_0 > V_1$ it is called as step up xmer

⑥ When $V_1 > V_2$ it is called as step down xmer



ADCET



Working -

When an alternating voltage ' V ' is applied to primary an alternating flux ' ϕ ' is set up in the core. This alternating flux links with both the windings winding & induced emf E_1 & E_2 in them according to Faraday's laws of electromagnetic induction.

The emf E_1 is termed as primary emf and emf E_2 winding the secondary emf E_2 will cause a current I_2 to flow through a.c power from one ckt another.

① The xmer action is based on law of electromagnetic induction.

② There is no electrical connection betⁿ primary & secondary the a.c power is transferred from primary to secondary through magnetic flux.

③ There is no change in frequency i.e. o/p power has the same freq as the i/p.

④ The I/P power is equal to o/p power the transformer has very high efficiency.

Types of transformer-

① Core type transformer-

In this type xmer, half of primary winding and half of the secondary winding are placed round each limb. This reduces the leakage flux. It is usual practice to place the low Vtg winding below high Vtg winding.

ADCET



mechanical Considerations

② Shell-type transformer -

This method of construction involves the use of double magnetic circuit both the windings are placed around the central limb. the other two limbs acting simply as a low-reluctance flux path.

Application

- ① The x^{mer} used in television and photocopy machines.
- ② Simple Camera flash uses Fly back x^{mer}
- ③ Step up or step down vtg and current.

Q.2 Derive Emf equation of single phase transformer

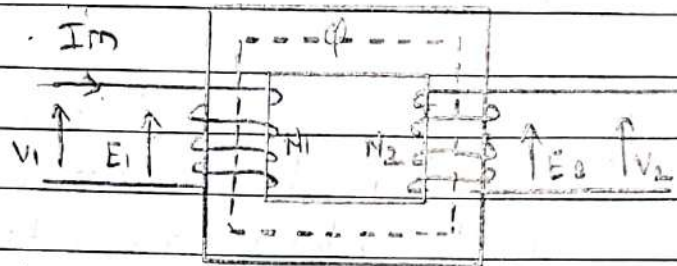
Ans - Consider as an alternating vtg V_1 of freq F is applied to the primary as shown in fig.

The sinusoidal flux ϕ produce by the primary can be ~~depen~~ represented as

$$\phi = \phi_m \sin \omega t$$

The instantaneous emf e_1 induced in primary is $e_1 = -N_1 \frac{d\phi}{dt} = -N_1 \frac{d}{dt} (\phi_m \sin \omega t)$

$$\begin{aligned} &= -\omega N_1 \phi_m \cos \omega t = 2\pi f N_1 \phi_m \cos \omega t \\ &= 2\pi f N_1 \phi_m \sin(\omega t - 90^\circ) \end{aligned}$$



It is clear from above equation that maximum value of induced emf in the primary is

$$E_{m1} = 2\pi f N_1 \phi_m$$

The rms value of E of primary emf as

$$E_1 = \frac{E_{m1}}{\sqrt{2}} = \frac{2\pi f N_1 \phi_m}{\sqrt{2}}$$

$$E_1 = 4.44 f N_1 \phi_m$$

Similarly,

$$E_2 = 4.44 f N_2 \phi_m$$

\therefore For an ideal xmer $E_1 = V_1$ & $E_2 = V_2$

$$\frac{E_2}{E_1} = \frac{V_2}{V_1} = \frac{N_2}{N_1} = k$$

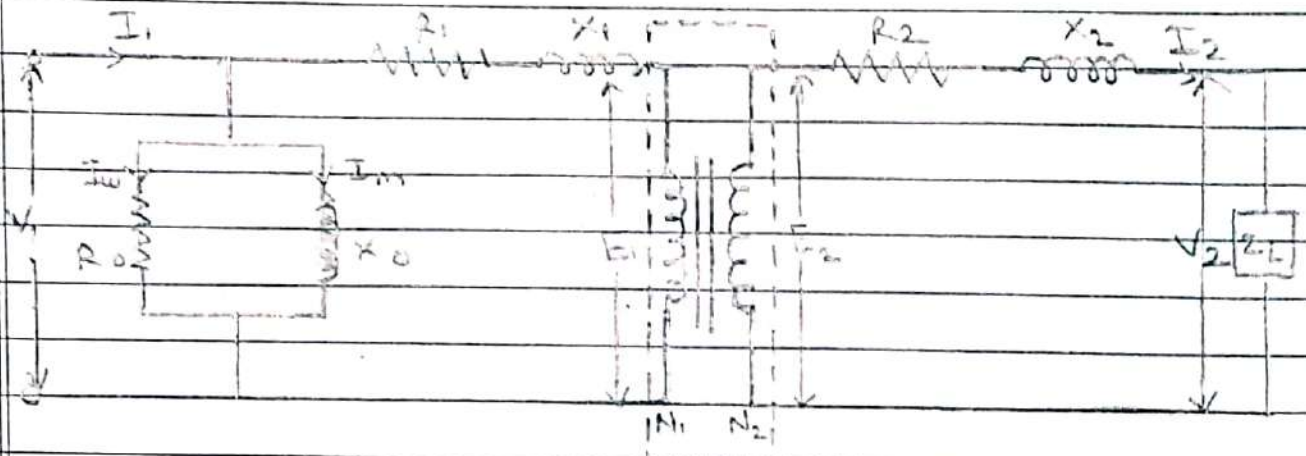
Q.3

Draw and explain equivalent ckt diagram with referred to primary & secondary side with phasor diagram of single phase xmer.

Ans. Simplified equivalent ckt of a loaded transformer. The no load current I_0 of a transformer is small as compared to rated primary current.



Vtg drop is R_1 & x_1 due to I_0 is negative negligible. the transferring the shunt ckt R_0-x_0 to the I/P terminals the modification leads to only slight loss of accuracy



Equivalent ckt referred to primary -

If all the secondary quantities are defined to the primary we get equivalent circuit by the transformer referred to the primary as shown in fig. This further reduced fig. Note that when secondary quantities are referred to primary resistance, reactance, impedance are divided by k^2

Vtg are divided by 'k' and current are multiplied by k.

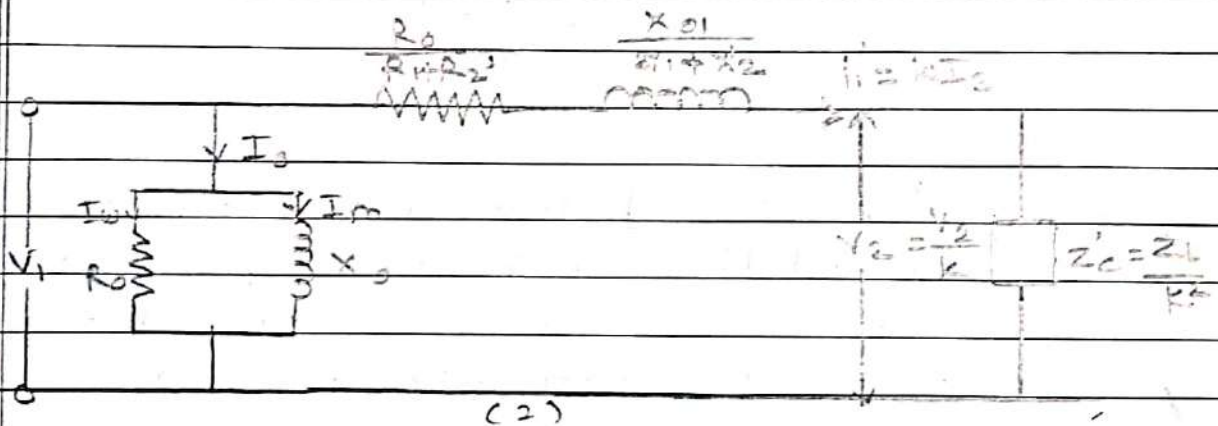
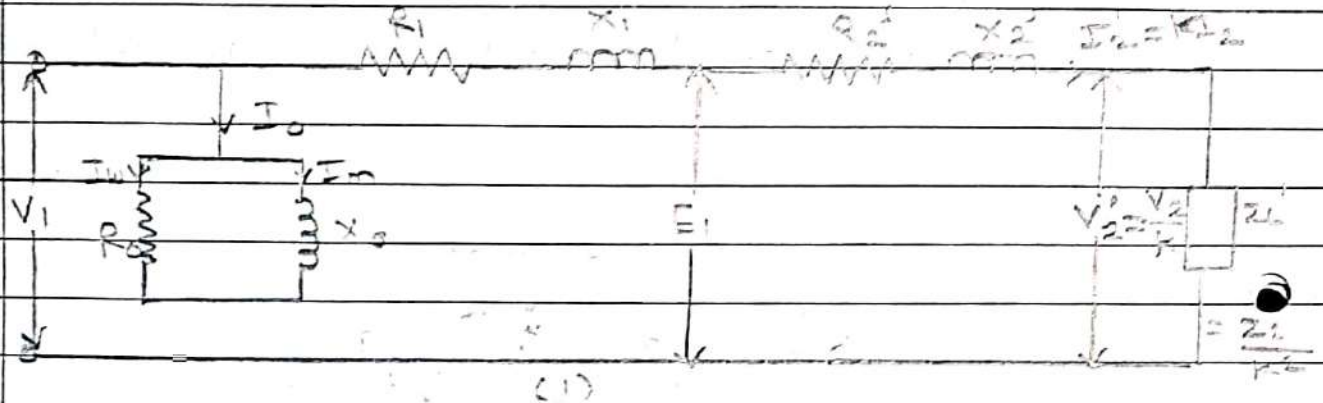
$$\therefore I_2' = kI_2 \quad \therefore R_2' = \frac{R_2}{k^2} ; \quad x_2' = \frac{x_2}{k^2} ;$$

$$Z_L' = \frac{Z_L}{k^2} ; \quad V_2' = \frac{V_2}{k}$$



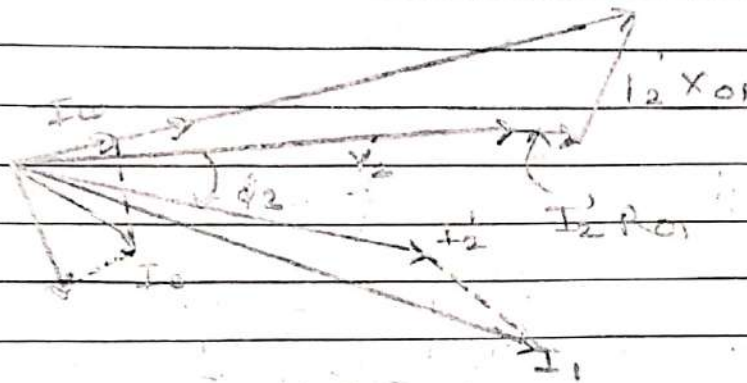
$$Z_{01} = R_{01} + jX_{01}$$

where, $R_{01} = R_1 + R_2$; $X_{01} = X_1' + X_2'$



Phasor diagram

phasor dia, corresponding to the equivalent ct the referred value of load V_2 is chosen as the reference phasor. the referred value of load current I_2' is shown lagging by V_2' by phase angle ϕ_2 for given value of V_2' both I_2' and ϕ_2 are determined by load.



The V_{tg} drop $I_2' R_{01}$ is in phase with I_2' and V_{tg} drop $I_2' X_{01}$ leads I_2' by 90° . When these V_{tg} drops are added to V_2' we get the input $V_{tg} V$.

The current I_w is in phase with V_1 while the magnetization current I_m lags behind V_1 by 90° . The phasor sum of I_w and I_m is the no load current I_0 . The phasor sum of I_0 and I_2' is the input current I_1 .

Equivalent circuit referred to secondary-

If all the primary quantities are referred to secondary we get the equivalent ckt of the transformer referred to secondary shown in Fig(1). This further reduce in Fig(2). Note that when primary quantities are referred to secondary resistance, reactance, impedance are multiplied by k^2 current divided by ' k '.

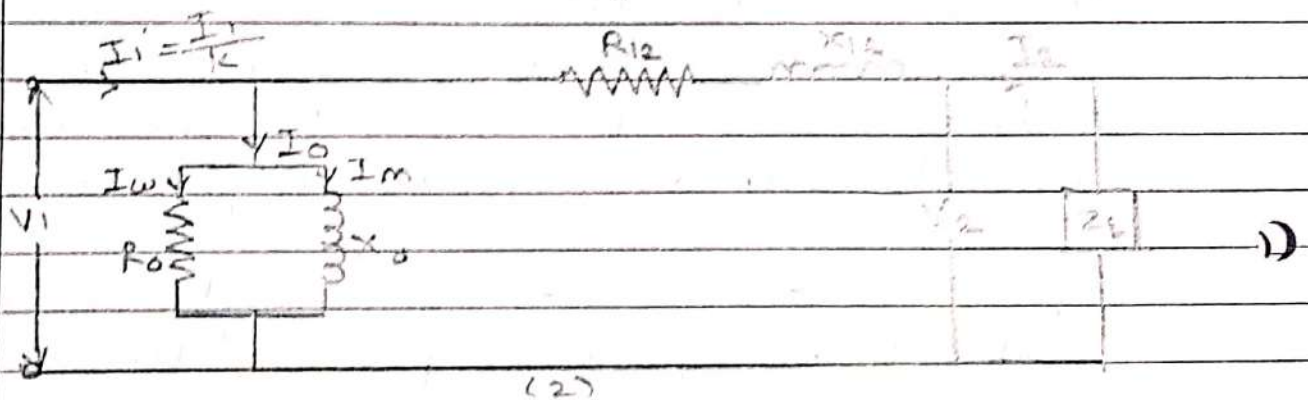
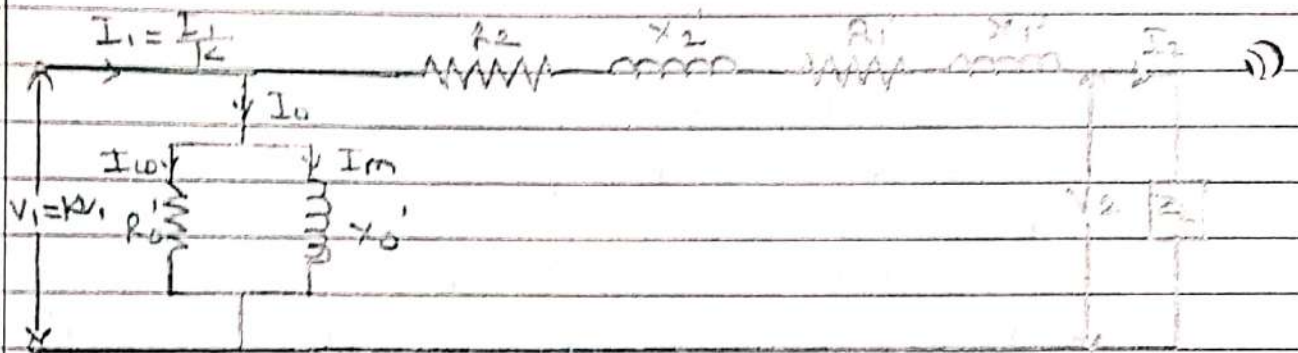


$$\therefore R_1' = k^2 R_1, \quad X_1' = k^2 X_1, \quad V_2' = k V_1, \\ \therefore I_1' = \frac{I_1}{k}$$

$$Z_{02} = R_{02} + jX_{02}$$

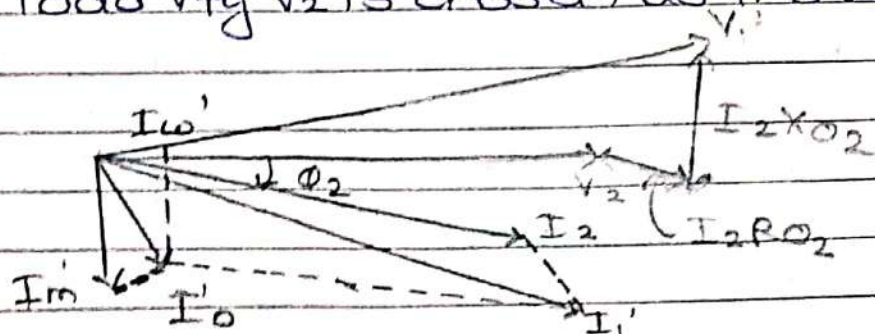
where

$$R_{02} = R_2 + R_1, \quad X_{02} = X_2 + X_1'$$



Phasor diagram -

Phasor diagram of equivalent circuit shown in fig the load voltage V_2 is chosen as the reference



ADCET



OFTES207- Fluid Mechanics



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology, Ashta.
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Food Technology

Academic Year -2021-22, Sem: IV

Class: S.Y. B Tech

Weak - Bright Analysis

Subject - Fluid mechanics

Sr.No.	Roll No.	Student name	ISE 1	W/B	MSE	W/B	ISE II	W/B
1	FT201	Ajagekar Avishakar Ananda	7	B	24	B	9	B
2	FT202	Atole Rutuja	9	B	30	B	10	B
3	FT203	Bamane Deven Umesh	7	B	7	W	9	B
4	FT204	Bhandari Aditya Sanjay	8	B	Ab	NA	9	B
5	FT205	Bano Bilques	3	W	14	W	8	B
6	FT206	Borse Om	8	B	13	W	8	B
7	FT207	Chavan Aakanksha Pravin	7	B	25	B	8	B
8	FT208	Dabhole Siddhi Umesh	5	W	14	W	9	B
9	FT209	Dalwai Suraj	6	B	22	B	9	B
10	FT211	Ghare Trupti Jaywant	5	W	13	W	10	B
11	FT212	Golande Darshan	6	B	17	W	10	B
12	FT213	Gorde Prathamesh Devidas	9	B	29	B	9	B
13	FT214	Jadhav Sangram Chandrakant	8	B	13	W	8	B
14	FT215	Jagtap Athrava	9	W	25	B	9	B
15	FT216	Jagtap Hrituraj Madhav	4	W	17	B	5	W
16	FT217	Jat Kundan	4	W	9	B	9	B
17	FT218	Kanase Aniruddha	8	B	20	B	9	B
18	FT219	Karche Rohit Sunil	3	W	15	W	5	W
19	FT220	Khose Mahesh Ambadas	8	B	27	B	9	B
20	FT221	Kulkarni Varun	10	B	28	B	8	B
21	FT222	Landge Sanket	6	B	24	B	9	B
22	FT223	Mahind Abhijit	8	B	10	B	9	B
23	FT224	Mali Prajwal	9	B	28	B	9	B
24	FT225	More Jyoti	7	B	22	B	9	B
25	FT226	Nimbalkar Siddharth	7	B	30	B	8	B
26	FT227	Patil Amit	9	B	21	B	9	B
27	FT228	Patil Pratik	9	B	18	B	9	B
28	FT229	Sali Siddharth	8	B	25	B	9	B
29	FT230	Shelke Aditya	7	B	23	B	8	B
30	FT231	Shinde Rashi Shivdas	8	B	27	B	8	B
31	FT232	Singh Aneetpal	7	B	24	B	9	B
32	FT233	Sonawane Dhiraj	7	B	25	B	9	B
33	FT234	Soni Muskan	9	B	26	B	9	B
34	FT235	Tandale Prathamesh	6	B	13	W	9	B
35	FT236	Yewale Aditya	7	B	26	B	10	B
36	FT237	Gurupadgol Onkar Annasaheb	7	B	25	B	9	B
37	FT238	More Harshavardhan Sanjay	5	W	17	B	8	B
38	FT239	Gaikwad Akshata Sunil	7	B	19	B	9	B
39	FT240	Mestry Chaitrali Deepak	7	B	11	W	7	B

Sr.No.	Roll No.	Student name	ISE 1	W/B	MSE	W/B	ISE II	W/B
40	FT241	Nihar Sachin Gane	5	W	14	W	8	B
41	FT242	Rawal Pranil	2	W	4	W	2	W
42	FT243	Shirkar Shivani Sudhir	5	W	13	W	9	B

Abbreviation - W = Weak B = Bright

Action Taken - For weak students - Extra classes were taken

For Bright Students - They were encouraged for GATE preparation



Course teacher



Head of the Department

Theory

Course: *fluid Mechanics*

Note: 1. Attendance to be marked in numbers as 1, 2, 3, etc. 2. Absence to be marked as A

Course Code: OFTES207

Sign: Faculty

Medical Forensic

Attendance Record:

Class: SY Food Tech

Course: fluid Mechanics

Enrollment No/ Roll No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
FT201	Ajagekar Avishakar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
FT202	Atole Rutuja	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
FT203	Bamane Deven	A	1	A	A	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FT204	Bhandari Aditya	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
FT205	Bilques Banoo	1	2	3	4	A	5	A	6	A	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21
FT206	Borse CM	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FT207	chavan Aakanksha	A	A	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FT208	Dabhole Siddhi	1	2	3	4	5	A	6	7	8	9	10	11	A	12	13	14	15	A	16	17	18	19	20	21	22
FT209	Dalkia suraj	1	2	3	4	5	6	A	7	8	9	10	11	A	12	13	14	15	16	17	18	19	A	20	21	22
FT210	Dhanawade Pratik																									
FT211	Ghare Tupti	1	2	3	A	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FT212	Golande Darshan	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	A	A	20	21
FT213	Gozde Prathamesh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
FT214	Jadhav Sangram	A	A	A	1	A	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	A	17	18	19
FT215	Jagtap Atharva	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22
FT216	Jagtap Heituraj	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21
FT217	Jat Kundan	1	2	3	A	4	5	6	7	8	9	10	A	A	11	12	13	14	A	15	16	17	18	19	20	21
FT218	Kanase Anirudha	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23
FT219	Kariche Rohit	A	A	A	1	2	3	4	5	6	7	A	A	8	9	10	11	12	13	14	A	15	A	16	17	18
FT220	khose Mahesh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	A	A	20	21	22	23
FT221	kulkarni Varun	1	2	A	3	4	5	6	7	8	9	10	11	A	12	13	A	14	15	16	17	A	18	A	19	20

Note: 1. Attendance to be marked in numbers as 1,2,3,...etc 2. Absence to be marked as A

Theory

Course Code: OFTES207

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Annasaheb Dange College of Engineering and Technology, Ashta
(An Autonomous Institute)

Weak Bright Meeting Record

DEPARTMENT OF FOOD TECHNOLOGY

Academic Year	Semester	Class and Batch	Date		
2021-22	4 th	S.Y B. Tech	16/04/2022		
Course	Course teacher	Agenda of Meeting			
Fluid Mechanics	Dr. S. V. Taralkar	<ul style="list-style-type: none"> • Discussion with weak students on their problems for course understanding • Finding solution on their problem • Planning of extra efforts 			
Total No. of weak students after ISE 1					
11					
Summary of the meeting <ul style="list-style-type: none"> • Course understanding issues were discussed with students and solve their queries. • Suggest them some tricks regarding study and remembering the problems and formulas • Ask them to meet regularly if they have any understanding issue and suggest them to attend class attentively • Remedial classes will be planned for them before MSE. 					
Attendance -					
Roll No	Signature	Roll No	Signature	Roll No.	Signature
FT205		FT216		FT241	
FT208		FT217		FT242	
FT211		FT219		FT243	
FT215		FT238			

COURSE TEACHER



HOD

Annasaheb Dange College of Engineering and Technology, Ashta
(An Autonomous Institute)

Weak Bright Meeting Record






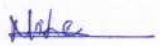


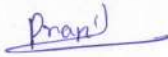


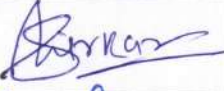
DEPARTMENT OF FOOD TECHNOLOGY

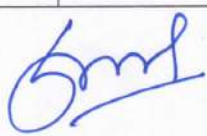
Academic Year	Semester	Class and Batch	Date
2021-22	4 th	S.Y B. Tech	09/05/2022
Course	Course teacher	Agenda of Meeting	
Fluid Mechanics	Dr. S. V. Taralkar	<ul style="list-style-type: none">• Discussion on MSE result and weak students issues• Ask them to use library for better results• Planning of extra efforts	
Total No. of weak students after MSE			
12			

Summary of the meeting

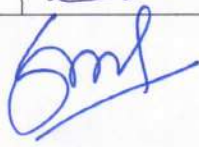
- Weak students were separately mentored for subject difficulties.
- Suggest them to visit and use resources from library.
- Remedial classes will be planned for them before ESE.

Attendance -

Roll No	Signature	Roll No	Signature	Roll No.	Signature
FT203		FT211		FT235	
FT205		FT212		FT241	
FT206		FT214		FT242	
FT208		FT219		FT243	


COURSE TEACHER




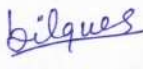

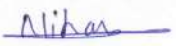
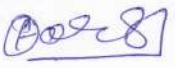

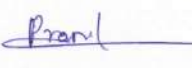







HOD

Annasaheb Dange College of Engineering and Technology, Ashta
(An Autonomous Institute)


Weak Bright Meeting Record

DEPARTMENT OF FOOD TECHNOLOGY

Academic Year	Semester	Class and Batch	Date		
2021-22	4 th	S.Y B. Tech	06/06/2022		
Course	Course teacher	Agenda of Meeting			
Fluid Mechanics	Dr. S. V. Taralkar	<ul style="list-style-type: none"> • Prepare weak students for their final examination • Assignments and homework for their better practice • Planning of remedial classes 			
Total No. of weak students after ISE II					
12					
Summary of the meeting <ul style="list-style-type: none"> • Separate assignments and homework given to the weak students for their practice • Remedial classes were taken and planned for them 					
Attendance -					
Roll No	Signature	Roll No	Signature	Roll No.	Signature
FT203		FT211		FT235	
FT205		FT212		FT241	
FT206		FT214		FT242	
FT208		FT219		FT243	


COURSE TEACHER




HOD