

Mechanism of Internal Assessment and Evaluations

The internal assessment of each department is transparent. It includes Display of Academic calendar, Internal Assessment Norms at the start of each semester and is continued accordingly. The assessment is done on the basis of Unit tests, Prelim examinations, assignments, Continuous assessment calculation of TW, and feedback given by students about the quality contents deliveries.

Academic Calendar

ACADEMIC CALENDER SEMESTER-I-20-21

Week No.	July 2020						Working Day	Particulars	
	Mon	Tue	Wed	Thu	Fri	Sat			
W1	6	7	8	9	10	11	6	Commencement of Teaching SE/TE/BE	
W2	13	14	15	16	17	18	6	Registration of Students / Student Training Programs	
W3	20	21	22	23	24	25	6		
W4	27	28	29	30	31		5	BE Project Review 1	
August 2020									
W4						1	1		
W5	3	4	5	6	7	8	6		
W6	10	11	12	13	14	15	5	Independence Day	
W7	17	18	19	20	21	22	6		
W8	24	25	26	27	28	29	6	Feedback from students	
W9	31						1	BE Project Review- 2	
September 2020									
W9		1	2	3	4	5	5	Teacher's Day celebration.	
W10	7	8	9	10	11	12	6	IQAC Meeting	
W11	14	15	16	17	18	19	6	Engineer's Day / Felicitations of faculty/ students	
W12	21	22	23	24	25	26	6		
W13	28	29	30				3	Unit Test I for SE/TE/BE	
October 2020									
W13				1	2	3	2	Unit Test I for SE/TE/BE/ M. Gandhi Jayanti	
W14	5	6	7	8	9	10	6	Unit test result display and remedial actions	
W15	12	13	14	15	16	17	6	BE Project Review- 3	
W16	19	20	21	22	23	24	6	Mid Term Submission week / Feedback from students	
W17	26	27	28	29	30	31	6	SPPU Insem exam (30Marks)	
November 2020									
W 18	2	3	4	5	6	7	6	End of classroom Teaching	
W19	9	10	11	12	13	14	4	Prelim Exam SE/TE/BE (70 Marks) / DIWALI holiday	
W20	16	17	18	19	20	21	4	Mock Practical & Final Submission	
23 rd Nov to 05 th Dec 2020									University Examinations: Practical
07 th Dec 2020									University Examinations: Theory
1 st Jan 2021									Start of next Academic Year
Total working days							108		

For detail schedule of STP and T&P activities, students should refer departmental Notice boards. University Exams will be as per circulars from Savitribai Phule Pune University. Holidays will be as per circular from University and STES orders. Display of Attendance will be after every month.




Dr. M. S. Gaikwad
Principal

ACADEMIC CALENDER SEMESTER-II-20-21



Sinhgad Institutes

SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF TECHNOLOGY Kusgaon (Bk), Lonavala-410401.

Tentative Academic Calendar for SE/TE/BE AY 2020-21 SEMESTER – II

Week No.	December 2020						Teaching Days	Particulars
	Mon	Tue	Wed	Thu	Fri	Sat		
W1	14	15	16	17	18	19	5	Commencement of Teaching SE/TE/BE
W2	21	22	23	24	25	26	4	Holiday on Christmas,
W3	28	29	30	31			4	
January 2021								
W3					1	2	2	
W4	4	5	6	7	8	9	5	TECHTONIC - 2021
W5	11	12	13	14	15	16	5	
W6	18	19	20	21	22	23	5	
W7	25	26	27	28	29	30	4	Holiday 26 th Jan. Unit Test I for SE/TE/BE
February 2021								
W8	1	2	3	4	5	6	5	
W9	8	9	10	11	12	13	5	SPPU In-Sem exam (30Marks)
W10	15	16	17	18	19	20	4	Holiday 19 th Shivjayanti.
W11	22	23	24	25	26	27	5	Mid Term Submission week
March 2021								
W12	1	2	3	4	5	6	5	
W13	8	9	10	11	12	13	4	
W14	15	16	17	18	19	20	5	
W15	22	23	24	25	26	27	5	
W16	29	30	31				2	HOLI on 29 th .
April 2021								
W16				1	2	3	3	End of classroom Teaching
W17	5	6	7	8	9	10	5	Prelim Exam SE/TE/BE (70 Marks)
W18	12	13	14	15	16	17	5	Mock Practical & Final Submission
W19	19	20	21	22	23	24		University Examinations: Practical
W20	27 April to 02 May 21							University Examinations: Practical
	04 to 23 May 21							University Examinations: Theory
	15 June 21							Start of next Academic Year
	Total working days						87	

For detail schedule of STP and T&P activities, students should refer departmental Notice boards. Holidays as per Circular from Savitribai Phule Pune University and STES orders.

All dates are tentative and subjected to change as the pandemic situation and directive from AICTE/DTE and University.

04/11/2020




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Internal Assessment Norms



SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY
(Affiliated to University of Pune and Approved by, AICTE, New Delhi.)
Gat No. 309/310, Off Pune-Mumbai Express Way,
Kusgaon (Bk.) Lonavala-410401. E-mail : principal_sit@sinhgad.edu

Norms for Internal Assessment (TW) for A.Y. 2020-21

For SE/TE/BE All Branches

*Internal Assessment Scheme of 50 marks is as follows:-

Sr. No.	PARTICULARS	TW MARKS
1	Attendance (TH /PR/TG,EVENTS, All STP)	20
2	Prelim Exam	15
3	Practical Continuous Assessment	10
4	Mock practical exam	05
	Total	50

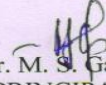
*Student can earn 'over and above' marks (Max 25) based on following criteria:

- 1) Lab innovation (05 Marks Total)
(An individual innovation/small project of good Quality/Industry sponsored Projects, to be completed in periodic supervision of any faculty of student's choice. Student should defend his work to department committee.)
- 2) Value Addition Program (05 Marks Total), (A good quality of Project at the end of VAP)
- 3) Various club activities of current sem.(2.5 Marks Total)
- 4) Industrial training (2.5 Marks Total)
- 5) More than 60% marks in previous University exam- (05 Marks Total)
- 6) Sports (University / state level) (2.5 Marks Total)
- 7) Paper presentation (2.5 Marks Total) Journal, or International/National conference.
- 8) On line course like NPTEL (Max 05 Marks for one or more course)

* Marks earned out of total 25 from 'Over and above criteria' will be distributed subject wise as per decision of the department.

Date: 11/09/2020




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Mechanism of internal assessment

1. Academic Calendar

**SINHGAD TECHNICAL EDUCATION SOCIETY'S**
SINHGAD INSTITUTE OF TECHNOLOGY
(Affiliated Savitribai Phule Pune University, Pune & Approved by AICTE)
Sinhgad Institutes Gat No. 309/310, off Mumbai Pune Expressway Kusagaon (Bk), Lonavala Pune - 410401

Prof. M.N. Navale
M E (Elect.) MIE, MBA
Founder President

Dr.(Mrs.) Sunanda M. Navale
B A , MPM , Ph D
Founder Secretary

Dr. M. S. Gaikwad
M E , Ph D (Electronics Engg.)
Principal

Department of Engineering Sciences (FE)
ACADEMIC CALENDAR FE/ 2020-21/ SEMESTER -I

Sr No.	Particulars	Date & Day
1	Induction Program (e-SIP)	1 st Feb-5 th Feb. 2021 (Mon-Fri)
2	Commencement of Teaching	8 th February 2021
3	Display of Attendance upto February	26 th February 2021
4	Unit Test I (Unit-1 &2)	15 th March – 19 th March 2021
5	Insem Exam UOP 2020-21(Tentative)	22 nd March – 26 th March 2021
6	Commencement of Teaching after Insem	30 th March 2021
7	Display of Attendance upto March	31 st March 2021
8	Semester Submission	5 th – 9 th April 2021
9	Display of attendance and provisional detention list	23 rd April 2021
10	Parents-Teachers Meet for defaulter students	29 th April 2021
11	Conclusion of Teaching	21 st May 2021
12	Display of Attendance at the end of Sem	24 th May 2021
13	Prelim Exam	24 th May– 31 st May 2021
14	Re-Prelim & Submission of All clear students	1 st June -4 th June 2021
15	Commencement of End Sem Exam UOP(Tentative)	14 th June – 25 th June 2021 (Tentative)
16	Commencement of 2 nd Sem 2021	1 st July 2021(Tentative)


Principal
SIT, Lonavala

Tel: 91 2114 – 673353/355 /356 . Telefax: 02114 – 278304 Email : principal_sit@sinhgad.edu Website: www.sinhgad.edu

Sr. No.	Particulars	Date & Day
1.	#Induction Program	12-18 May 2021 (Wed.to Tues.)
2.	Commencement of Teaching	19 May 2021 (Wed.), 8:45am
3.	Internal In-Sem Test (Marks-30/Unit-1& 2/1 Hour)	14-19 June 2021 (Mon. to Sat), 4:00 pm
4.	Display of First Attendance List	30 June 2021 (Wed.), 4:00 pm
5.	In-Sem Examination Savitribai Phule Pune University (SPPU) (Marks-30/ Unit-1&2/ 1 Hour)	05-10 July 2021 * (Mon to sat.), 9.30 am to 10:30 am. (Tentative)
6.	Mid Term Submission	12-15 July 2021 (Mon.to Thurs.)
7.	Display of Second Attendance list with Provisional Detention List	30 July 2021 (Fri.), 4:00pm
8.	Conclusion of Teaching and Last date of TW submission	6 August 2021 (Fri.)
9.	Display of Final Attendance list & Detention List	9 August 2021 (Mon), 4:00pm.
10.	Preliminary Examination	9-14 August 2021 (Mon. to Fri), 09:30am to 10:30am
11.	End-Sem SPPU Examination (Marks-50/ Unit-1 to 4 / 1 Hours)	17 August 2021* (Mon) onwards (Tentative)
12.	Commencement of Second Semester	1 Sept. 2021* (Mon), 8:45am (Tentative)

As per the guidelines by AICTE and Savitribai Phule Pune University (SPPU), Induction Program is mandatory for all students.

*Above dates are tentative and may change as per Savitribai Phule Pune University.

- The attendance for theory and practical must be greater than 75% for granting of term.
- The practical evaluation is internal and based on continuous assessment.
- The mark of internal examination and assignments will be considered while giving practical internal marks.
- Submission should be completed & duly certified by the Faculty & HOD.
- Holidays as per Circular from Savitribai Phule Pune University.



HOD




Principal

2. Notice for internal evaluation (TW)



SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY

(Affiliated to SPPU Pune and Approved by, AICTE, New Delhi.)
Lonavala (Bk), off Mumbai - Pune, Expressway.

Lonavala, Pune, 410401. Website: www.sinhgad.edu
Department of Engineering Sciences

Norms for Internal Assessment (TW) for A.Y. 2020-21 Semester - I

For First Year Engineering (F E)

-:Internal assessment Scheme of 25 marks is as follows :-

Sr No	Particulars	TW / PR Marks
1	Attendance (TH / PR / TG)	10
2	UT- Mock Online Examination	2.5
3	Prelim Examination	2.5
4	Practical Continuous Assessment	10
	Total	25

Please note

- Engineering Maths-I overall performance.
- Audit Course overall performance and assignments if any
- Workshop 50 Marks will be based on jobs done if any and assignments



Principal

Norms for Internal Assessment (TW) for A.Y. 2020-21 Semester - II

For First Year Engineering (F E)

-:Internal assessment Scheme of 25 marks is as follows :-

Sr No	Particulars	TW / PR Marks
1	Attendance (TH / PR / TG)	10
2	UT- Mock Online Examination	2.5
3	Prelim Examination	2.5
4	Practical Continuous Assessment	10
	Total	25

Please note

- EG-II Term work marks (50) will be given by considering performance in EG-II Practical / Practical assignment sheets
- Engineering Maths-II overall performance.
- Audit Course and Physical Education overall performance and assignments if any




Principal

3. Internal Evaluation (UT, Prelim)



SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA

Department of Engineering Sciences
MCQ Unit Test – I, Unit-I, Sem-I, (A. Y. 20-21)

SUBJECT: Engineering Chemistry

Marks: 25

Time: 30 min.

Class: FE

Date:12/03/21

- Note: 1. All Questions are Multiple Choice Questions having single correct option
2. All questions are compulsory
3. Each Question carries 1 Mark

Sr. No.	Unit I Questions	Difficulty Level
1.	Loose, soft deposition on inner surface of boiler is	
[a]	Scale formation	
[b]	sludge formation	
[c]	corrosion	
[d]	None	
	Correct Option:[b]	
2.	Dissolved CO ₂ responsible for boiler corrosion becoz of formation of which acid?	
[a]	H ₂ SO ₄	
[b]	HCl	
[c]	H ₃ PO ₄	
[d]	H ₂ CO ₃	
	Correct Option:[d]	
3.	Which ions are responsible for alkalinity of water sample?	
[a]	CO ₃ ²⁻ , NO ₃ ⁻	
[b]	OH ⁻ , CO ₃ ²⁻ , HCO ₃ ⁻	
[c]	OH ⁻ , CO ₃ ²⁻ , SO ₄ ²⁻	
[d]	OH ⁻ , HCO ₃ ⁻ , NO ₃ ⁻	
	Correct Option:[b]	
4.	Which indicator is used for determination of alkalinity of water?	
[a]	phenolphthalein	
[b]	Methyl Orange	
[c]	Both A and B	
[d]	None	
	Correct Option:[c]	
5.	The result of alkalinity of water sample shows P=1/2M which means presence of --- --ions in water	
[a]	OH ⁻ & CO ₃ ²⁻	
[b]	Only OH ⁻	
[c]	HCO ₃ ⁻ & CO ₃ ²⁻	
[d]	Only CO ₃ ²⁻	
	Correct Option:[d]	
6.	If 50 ml of water sample has 10 mg of CaCO ₃ equivalent hardness, then hardness of same water sample is expressed as	
[a]	500 ppm	
[b]	50 ppm	
[c]	200 ppm	
[d]	100 ppm	
	Correct Option:[c]	



Sinhgad Institutes

SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA

Department of Engineering Sciences (FE)

MCQ PRELIM EXAM

SUBJECT: ENGINEERING CHEMISTRY

CLASS: FE

Date: / /2021

Marks:50

Time:1hr

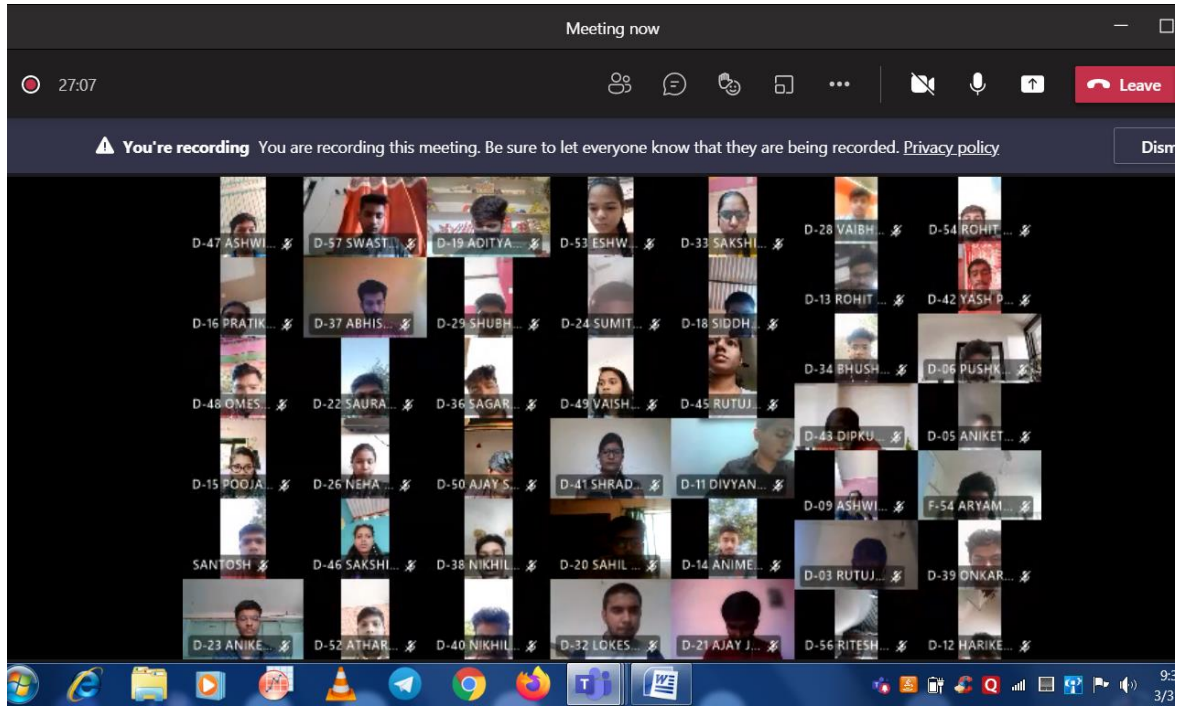
Note:1.All Questions are Multiple Choice Questions having single correct option

2.Attempt any 50 questions out of 60.

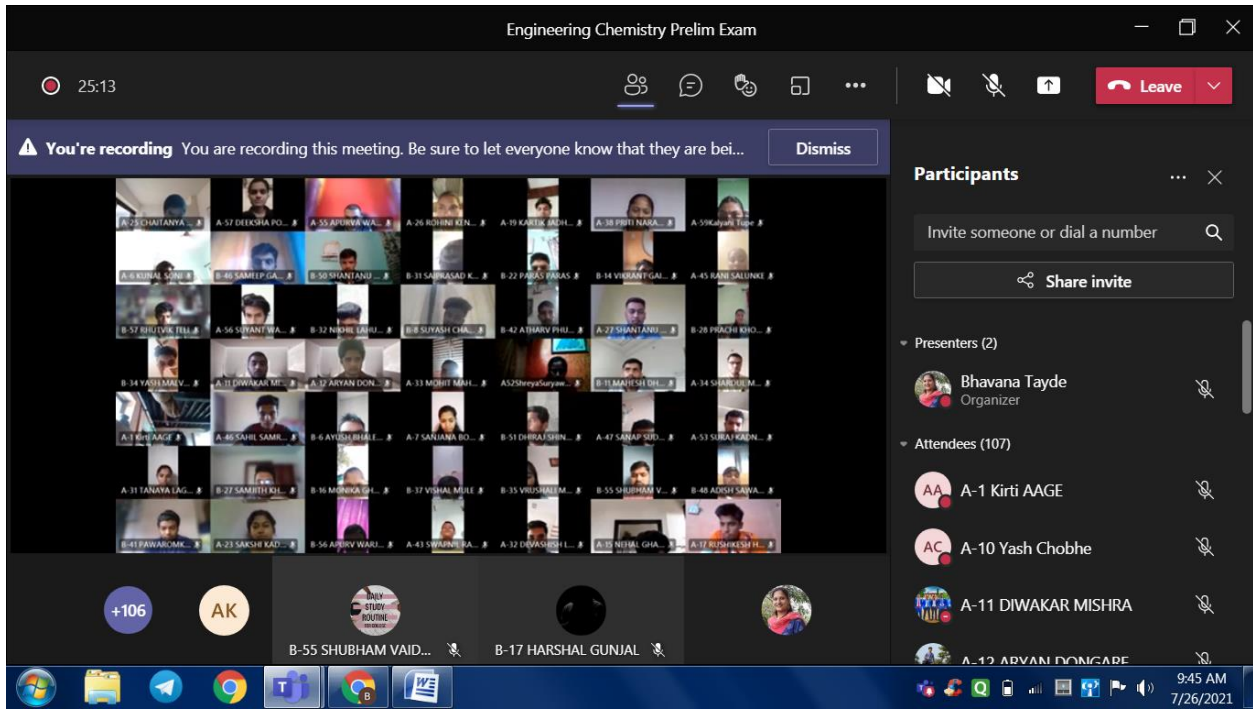
3.Each Question carries 1 Mark

UNIT III		Difficulty Level	F+E13:E60igure (if required)
SR.NO	QUESTION		
1	Commercial name of polycarbonate is –	1	
[A]	Lexan or Merlon		
[B]	Biopol		
[C]	SBR		
[D]	PPV		
	Correct Option:[A]		
2	Which statement is not true about polycarbonate.....	2	
[A]	It can be prepared from bisphenol A and phosgene		
[B]	It can be prepared from bisphenol A and diphenylcarbonate		
[C]	It is an engineering thermoplastic		
[D]	It is biodegradable		
	Correct Option:[D]		
3	Example of p - dopant in conducting polymer	1	
[A]	iodine		
[B]	ferric chloride		
[C]	Naphthyl amine		
[D]	Bromine		
	Correct Option:[A]		
4	Fiber reinforced plastic is made up of	1	
[A]	fibres		
[B]	polymer matrix reinforced with fibres		
[C]	polymer matrix		
[D]	none of these		
	Correct Option:[B]	2	
5	Applications of quantum dots are		
[A]	light emitting diode		
[B]	photodetectors		
[C]	biological analysis		
[D]	all of these		
	Correct Option:[D]		
6	_____ polymer are more biodegradable than _____ polymer.	2	
[A]	Natural & Synthetic		
[B]	addition & condensation		
[C]	Synthetic & addition		
[D]	Natural & condensation		
	Correct Option:[A]		
7	Smaller quantum dots having sizes 2nm - 3nm emits shorter wavelength with colors__	1	
[A]	blue and green		
[B]	blue and red		
[C]	orange and red		
[D]	orange and green		
	Correct Option:[A]		
8	Example of two dimensional nanomaterial having single layer of carbon in a hexagonal lattice	1	
[A]	quantum dots		
[B]	silicon dots		
[C]	carbon nanotube		
[D]	graphene		
	Correct Option:[D]		
9	Electroluminescence is observed because of	1	
[A]	conjugated π bond system		
[B]	doping		
[C]	recombination of holes & electrons		
[D]	none of these		
	Correct Option:[C]		
10	Quantum dots glow when illuminated by	1	
[A]	white light		
[B]	UV light		
[C]	X-rays		
[D]	cosmic rays		
	Correct Option:[B]		

Prelim Attendance Sem-I



Prelim Attendance Sem-II



Online Prelim Attendance

A-01 Kirti AAGE	Joined	7/26/2021, 9:31:54 AM	A-47 SANAP SUDARSHAN	Joined	7/26/2021, 9:31:54 AM
A-02 Abdul Khan	Joined	7/26/2021, 9:32:19 AM	A-48 SARKHAWAS AFATAB	Joined	7/26/2021, 9:32:42 AM
A-03 Aryan Srivastava	Joined	7/26/2021, 9:31:53 AM	A-49 SUMER SHAIKH	Joined	7/26/2021, 9:31:54 AM
A-05 Ajay Belkunde	Joined	7/26/2021, 9:31:54 AM	A-50 SHANTANU NAIK	Joined	7/26/2021, 9:31:54 AM
A-06 KUNAL SONI	Joined	7/26/2021, 9:31:53 AM	A-51 ARYAN SHINGAN	Joined	7/26/2021, 9:31:54 AM
A-07 SANJANA BOHORA	Joined	7/26/2021, 9:31:53 AM	A52ShreyaSuryawanshi	Joined	7/26/2021, 9:31:55 AM
A-08 AKASH CHAVAN	Joined	7/26/2021, 9:31:54 AM	A-53 SURAJ KADNAR	Joined	7/26/2021, 9:31:53 AM
A-09 RUCHITA CHITRAL	Joined	7/26/2021, 9:31:54 AM	A54Savyasachi Acharya	Joined	7/26/2021, 9:31:54 AM
A-10 Yash Chobhe	Joined	7/26/2021, 9:31:53 AM	A-55 APURVA WAGHMARE	Joined	7/26/2021, 9:31:54 AM
A-11 DIWAKAR MISHRA	Joined	7/26/2021, 9:31:54 AM	A-56 SUYANT WANKHEDE	Joined	7/26/2021, 9:31:54 AM
A-12 ARYAN DONGARE	Joined	7/26/2021, 9:31:54 AM	A-57 DEEKSHA POOJARI	Joined	7/26/2021, 9:31:54 AM
A-14 UTKARSH GAIKWAD	Joined	7/26/2021, 9:36:11 AM	A-58 JAYESH UDAVANT	Joined	7/26/2021, 9:37:14 AM
A-15 NEHAL GHADGE	Joined	7/26/2021, 9:31:54 AM	A-59Kalyani Tupe	Joined	7/26/2021, 9:32:42 AM
A-16 LOKESH GHODKE	Joined	7/26/2021, 9:31:54 AM	B-01 AASTHA SINGH	Joined	7/26/2021, 9:33:13 AM
A-17 RUSHIKESH HANDGE	Joined	7/26/2021, 9:31:54 AM	B-02 AJIT ADAVALE	Joined	7/26/2021, 9:31:54 AM
A-18 SUDARSHAN HARAL	Joined	7/26/2021, 9:31:54 AM	B-03 ARYAN KOTMIRE	Joined	7/26/2021, 9:31:54 AM
A-19 KARTIK JADHAV	Joined	7/26/2021, 9:31:54 AM	B-04 TUSHAR BADHE	Joined	7/26/2021, 9:31:54 AM
A-20 PRATIKSHA JADHAV	Joined	7/26/2021, 9:31:54 AM	B-05 SHUBHAM BARGAL	Joined	7/26/2021, 9:31:54 AM
A-21 JAIN MOHIT	Joined	7/26/2021, 9:36:08 AM	B-06 AYUSH BHALERAO	Joined	7/26/2021, 9:31:54 AM
A-22 VAIBHAV JAISWAL	Joined	7/26/2021, 9:31:54 AM	B-07 ANJALI BHANDARE	Joined	7/26/2021, 9:31:54 AM
A-23 SAKSHI KADEKAR	Joined	7/26/2021, 9:38:18 AM	B-08 SUYASH CHAVAN	Joined	7/26/2021, 9:31:53 AM
A-24 TEJAS KADLAG	Joined	7/26/2021, 9:31:54 AM	B-09 CHETAN PARIHAR	Joined	7/26/2021, 9:32:52 AM
A-24 TEJAS KADLAG	Left	7/26/2021, 9:54:36 AM	B-1 AASTHA SINGH	Left	7/26/2021, 9:41:39 AM
A-24 TEJAS KADLAG	Joined	7/26/2021, 9:56:12 AM	B-10 ASHISH DAKLE	Joined	7/26/2021, 9:31:54 AM
A-25 CHAITANYA KATORE	Joined	7/26/2021, 9:31:54 AM	B-10 ASHISH DAKLE	Left	7/26/2021, 9:56:37 AM
A-26 ROHINI KENDRE	Joined	7/26/2021, 9:31:54 AM	B-11 MAHESH DHORKULE	Joined	7/26/2021, 9:31:54 AM
A-27 SHANTANU KHONDE	Joined	7/26/2021, 9:31:54 AM	B-12 NIKHIL DONGRE	Joined	7/26/2021, 9:36:08 AM
A-29 SHRIJAN KUMAR	Joined	7/26/2021, 9:31:54 AM	B-13 SANSKRITI GAIKWAD	Joined	7/26/2021, 9:31:54 AM
A-30 PRIYANKA KUSHWAHA	Joined	7/26/2021, 9:31:54 AM	B-14 VIKRANT GAIKWAD	Joined	7/26/2021, 9:31:53 AM
A-31 TANAYA LAGAD	Joined	7/26/2021, 9:31:53 AM	B-15 GAYATRI SHIVKUMAR	Joined	7/26/2021, 9:31:54 AM
A-32 DEVASHISH LAHARIYA	Joined	7/26/2021, 9:31:53 AM	B-16 MONIKA GHODKHINDE	Joined	7/26/2021, 9:31:54 AM
A-33 MOHIT MAHADIK	Joined	7/26/2021, 9:31:54 AM	B-17 HARSHAL GUNJAL	Joined	7/26/2021, 9:32:21 AM
A-34 SHARDUL MAHAJAN	Joined	7/26/2021, 9:31:53 AM	B-18 RUTUJA HARER	Joined	7/26/2021, 9:31:54 AM
A-35 SIDDHESH MHATRE	Joined	7/26/2021, 9:31:53 AM	B-18 RUTUJA HARER	Left	7/26/2021, 9:43:12 AM
A-36 NIKHIL MOGAL	Joined	7/26/2021, 9:35:39 AM	B-18 RUTUJA HARER	Joined	7/26/2021, 9:48:43 AM
A-37 PRATIKSHA NAGAWADE	Joined	7/26/2021, 9:31:54 AM	B-19 GANESH JADHAV	Joined	7/26/2021, 9:31:54 AM
A-38 PRITI NARAWADE	Joined	7/26/2021, 9:31:54 AM	B-20 ROHIT JADHAV	Joined	7/26/2021, 9:31:53 AM
A-39 TEJAS PARKHE	Joined	7/26/2021, 9:31:54 AM	B-21 SIDDHANT JAGTAP	Joined	7/26/2021, 9:31:54 AM
A-40 WRUSHABH PARKHI	Joined	7/26/2021, 9:31:54 AM	B-22 PARAS PARAS	Joined	7/26/2021, 9:31:54 AM
A-42 VIKAS PAWAR	Joined	7/26/2021, 9:31:54 AM	B-23 JAYDEEP KADAM	Joined	7/26/2021, 9:31:54 AM
A-43 SWAPNIL RANDIVE	Joined	7/26/2021, 9:31:54 AM	B-24 SWARAJ KAKADE	Joined	7/26/2021, 9:31:54 AM
A-44 SANKET RATHOD	Joined	7/26/2021, 9:31:54 AM	B-25 ALOK KASHTA	Joined	7/26/2021, 9:31:55 AM
A-45 RANI SALUNKE	Joined	7/26/2021, 9:33:06 AM	B-26 LOKESH KHADSE	Joined	7/26/2021, 9:32:48 AM
A-46 SAHIL SAMRUT	Joined	7/26/2021, 9:31:53 AM	B-27 SAMJITH KHANDEBATH	Joined	7/26/2021, 9:31:54 AM
			B-28 PRACHI KHOBRAGADE	Joined	7/26/2021, 9:31:54 AM
			B-29 SHUBHAM KOKANE	Joined	7/26/2021, 9:31:54 AM
			B-29 SHUBHAM KOKANE	Left	7/26/2021, 9:33:14 AM

4. Continuous Assessment in the laboratory and Evaluations

Sample of Lab Manual Evaluation

Sample of attendance Sheet



Sinhgad Technical Education Society's
Sinhgad Institute of Technology, Lonavala
Department of Engineering Sciences (F. E. 2020-21 SEM-I)
Attendance Report . Div - D ((08/2/21 TO 26/03/21))

Roll No	Subj	M-I	CHEM	BXE	EM	SME	Total Lect	%	Remark
	Total Lect. C	34	33	29	34	33	163		
	Name of the Student								
D-01	AHER PRANAV SANJAY	31	33	29	34	33	160	98.16	
D-02	AMBHORE SHARAD	24	26	25	26	18	119	73.01	PD
D-03	ANARSE RUTUJA ARJUN	30	23	22	32	26	133	81.60	
D-04	ARYAN KALRA	33	33	29	34	33	162	99.39	
D-05	BALPANDE ANIKET	12	20	17	19	20	88	53.99	PD
D-06	BANKAR PUSHKAR	30	31	29	32	31	153	93.87	
D-07	BHOSALE RUTIK	34	31	29	34	32	160	98.16	
D-08	BOKEY SAI PREMKUMAR	27	26	25	29	28	135	82.82	
D-09	DALVI ASHWINI VISHNU	31	32	28	34	32	157	96.32	
D-10	CHANDEL AJIT RANGNATH	25	22	15	21	15	98	60.12	PD
D-11	DIVYANSHU MISHRA	30	27	25	30	29	141	86.50	
D-12	GADHEKAR HARIKESH	16	24	25	28	24	117	71.78	PD
D-13	GAIKWAD ROHIT RAHUL	33	32	27	34	33	159	97.55	
D-14	GARJE ANIMESH SANJAY	27	22	24	26	24	123	75.46	
D-15	GAWADE POOJA LAXMAN	33	30	24	32	31	150	92.02	
D-16	GHOSALE PRATIKSHA	27	26	25	29	25	132	80.98	
D-17	GOSAVI PRANOTI UDAY	24	21	21	24	17	107	65.64	PD
D-18	HARPUDE SIDDHANT	31	30	26	34	29	150	92.02	
D-19	JADHAV ADITYA VIJAY	29	23	23	31	26	132	80.98	
D-20	JADHAV SAHIL SANJAY	19	27	22	24	29	121	74.23	PD
D-21	JAGDALE AJAY KRISHNA	34	31	29	34	33	161	98.77	
D-22	JAVIR SAURABH VISHNU	25	22	23	24	20	114	69.94	PD
D-23	JOSHI ANIKET DEEPAK	29	29	24	31	29	142	87.12	
D-24	KANGULE SUMIT	30	28	27	30	30	145	88.96	
D-25	KAREMORE BHUSHAN	21	28	21	31	26	127	77.91	
D-26	KASHID NEHA SHARAD	34	33	29	34	33	163	100.00	
D-27	KHANDAGALE ANUSHKA	29	25	26	27	32	139	85.28	
D-28	KHARADE VAIBHAV LAHU	32	32	27	31	31	153	93.87	
D-29	KOKATE SHUBHAM	31	26	23	29	26	135	82.82	
D-30	KORE ANUSHKA	9	0	5	10	5	29	17.79	PD
D-31	LATPATE AVIRAJ	34	33	29	34	30	160	98.16	
D-32	LOKESH SINGH	34	33	28	34	32	161	98.77	
D-33	MANDOLIKAR SAKSHI	32	33	29	34	32	160	98.16	
D-34	MENKUDALE BHUSHAN	19	13	12	16	15	75	46.01	PD
D-35	MOMIN ALI MAJID	27	27	23	28	28	133	81.60	
D-36	MOTE SAGAR NARAYAN	32	25	23	29	24	133	81.60	
D-37	MUGALE ABHISHEK	33	30	28	32	31	154	94.48	
D-38	NIKHIL ANIL YADAV	31	32	28	33	31	155	95.09	
D-39	PANCHAKSHARI ONKAR	23	13	17	17	18	88	53.99	PD
D-40	PATIL NIKHIL SHIVAJI	23	22	20	20	19	104	63.80	PD
D-41	PATIL SHRADDHA YUVRAJ	34	30	29	33	31	157	96.32	
D-42	PATIL YASH PRADIP	30	26	25	26	22	129	79.14	
D-43	PRAJAPAT DIPKUMAR	32	31	29	33	33	158	96.93	
D-44	PRINCE KUMAR PANDEY	0	0	1	0	5	6	3.68	PD
D-45	RUTUJA NITIN	31	31	29	34	31	156	95.71	
D-46	SAKSHI ANKUSH	33	27	27	32	29	148	90.80	
D-47	SARADE ASHWIN SURESH	28	27	25	32	30	142	87.12	
D-48	SATPUTE OMESH ANIL	30	25	24	30	25	134	82.21	
D-49	SHERKAR VAISHNAVI	29	28	25	31	26	139	85.28	
D-50	SHINDE AJAY SOMINATH	32	31	28	31	31	153	93.87	
D-51	SINARE ANIKET	27	27	26	32	30	142	87.12	
D-52	SONAWANE ATHARVA	28	20	17	22	26	113	69.33	PD
D-53	TONDILKAR ESHWAREE	32	30	29	34	30	155	95.09	
D-54	SHIKARE ROHIT KAILAS	29	30	27	33	29	148	90.80	
D-55	VIKAS PRASAD	28	23	22	28	17	118	72.39	PD
D-56	ZAWARE RITESH	28	26	28	32	26	140	85.89	
D-57	FULARI SWASTIK PRAMOD	28	29	26	34	32	149	91.41	
D-58	GHUGE SANTOSH	16	15	24	0	30	85	52.15	PD

Prepared By

H.O.D

PRINCIPAL



Sinhgad Technical Education Society's
Sinhgad Institute of Technology, Lonavala
Sinhgad Institutes)Department of Engineering Sciences (F. E. 2020-21 SEM-II)
Final Attendance Report . Div - D

Roll No	Subject→	M-II	PHY	BEE	PPS	EG	Total Lect	%	Remark
	Total Lect. Conducted→								
Name of the Student		52	47	59	42	41	241		
D-01	AHER PRANAV SANJAY	43	42	51	36	38	210	87.14	
D-02	AMBHORE SHARAD SUBHASH	43	44	55	40	40	222	92.12	
D-03	ANARSE RUTUJA ARJUN	46	45	55	41	40	227	94.19	
D-04	ARYAN KALRA	46	45	54	40	40	225	93.36	
D-05	BALPANDE ANIKET SHANKAR	35	38	46	38	39	196	81.33	
D-06	BANKAR PUSHKAR UTTAM	48	45	57	41	40	231	95.85	
D-07	BHOSALE RUTIK ANNASAHEB	45	43	50	40	39	217	90.04	
D-08	BOKEY SAI PREMKUMAR	47	42	56	39	38	222	92.12	
D-09	DALVI ASHWINI VISHNU	43	43	55	40	39	220	91.29	
D-10	CHANDEL AJIT RANGNATH	34	31	34	32	36	167	69.29	PD
D-11	DIVYANSHU MISHRA	37	33	37	34	32	173	71.78	PD
D-12	GADHEKAR HARIKESH	31	26	45	26	25	153	63.49	PD
D-13	GAIKWAD ROHIT RAHUL	50	47	59	41	39	236	97.93	
D-14	GARJE ANIMESH SANJAY	45	36	44	33	35	193	80.08	
D-15	GAWADE POOJA LAXMAN	40	42	47	39	39	207	85.89	
D-16	GHOSALE PRATIKSHA ARVIND	45	47	57	41	39	229	95.02	
D-17	GOSAVI PRANOTI UDAY	50	46	55	41	39	231	95.85	
D-18	HARPUDE SIDDHANT	46	45	58	39	39	227	94.19	
D-19	JADHAV ADITYA VIJAY	47	46	53	37	34	217	90.04	
D-20	JADHAV SAHIL SANJAY	40	38	47	33	35	193	80.08	
D-21	JAGDALE AJAY KRISHNA	48	39	58	38	36	219	90.87	
D-22	JAVIR SAURABH VISHNU	6	3	2	10	5	26	10.79	PD
D-23	JOSHI ANIKET DEEPAK	42	40	50	38	36	206	85.48	
D-24	KANGULE SUMIT KASHINATH	51	46	57	41	39	234	97.10	
D-25	KAREMORE BHUSHAN	37	34	47	32	35	185	76.76	
D-26	KASHID NEHA SHARAD	51	47	59	40	39	236	97.93	
D-27	KHANDAGALE ANUSHKA BIPIN	40	30	35	31	31	167	69.29	PD
D-28	KHARADE VAIBHAV LAHU	43	45	58	40	39	225	93.36	
D-29	KOKATE SHUBHAM SHAHAJI	44	41	50	38	38	211	87.55	
D-30	KORE ANUSHKA SOPANRAO	0	0	0	AB		0	0.00	PD
D-31	LATPATE AVIRAJ BHAUSAHEB	52	47	56	41	39	235	97.51	
D-32	LOKESH SINGH	52	47	59	41	39	238	98.76	
D-33	MANDOLIKAR SAKSHI	48	46	57	41	39	231	95.85	
D-34	MENKUDALE BHUSHAN	48	40	56	41	39	224	92.95	
D-35	MOMIN ALI MAJID	31	25	36	23	29	144	59.75	PD
D-36	MOTE SAGAR NARAYAN	33	29	35	29	29	155	64.32	PD
D-37	MUGALE ABHISHEK RAHUL	46	45	56	39	38	224	92.95	
D-38	NIKHIL ANIL YADAV	50	46	55	41	38	230	95.44	
D-39	PANCHAKSHARI ONKAR	24	15	11	19	20	89	36.93	PD
D-40	PATIL NIKHIL SHIVAJI	39	29	34	30	23	155	64.32	PD
D-41	PATIL SHRADDHA YUVRAJ	52	45	56	39	39	231	95.85	
D-42	PATIL YASH PRADIP	38	40	57	37	38	210	87.14	
D-43	PRAJAPAT DIPKUMAR ASHOK	52	47	59	41	39	238	98.76	
D-44	PRINCE KUMAR PANDEY	0	0	0	6	4	10	4.15	PD
D-45	RUTUJA NITIN HUNDEKARI	49	44	57	41	39	230	95.44	
D-46	SAKSHI ANKUSH BHALERAO	42	42	54	37	38	213	88.38	
D-47	SARADE ASHWIN SURESH	52	46	59	40	39	236	97.93	
D-48	SATPUTE OMESH ANIL	47	41	52	38	39	217	90.04	
D-49	SHERKAR VAISHNAVI ANKUSH	47	42	54	40	39	222	92.12	
D-50	SHINDE AJAY SOMINATH	50	47	59	40	38	234	97.10	
D-51	SINARE ANIKET BHAUSAHEB	6	1	2	10	13	32	13.28	PD
D-52	SONAWANE ATHARVA	36	33	52	41	36	198	82.16	
D-53	TONDILKAR ESHWAREE	51	47	59	41	39	237	98.34	
D-54	SHIKARE ROHIT KAILAS	47	45	52	40	38	222	92.12	
D-55	VIKAS PRASAD	42	28	37	30	28	165	68.46	PD
D-56	ZAWARE RITESH SANTOSH	44	46	59	41	38	228	94.61	
D-57	FULARI SWASTIK PRAMOD	49	46	59	41	38	233	96.68	
D-58	GHUGE SANTOSH DNYANDEV	48	44	53	41	39	225	93.36	

Prepared By

H.O.D
ENGINEERING SCIENCE (FE)

PRINCIPAL
DR.M.S.GAIKWAD



Sinhgad Institutes

SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF TECHNOLOGY

(Affiliated to SPPU Pune and Approved by, AICTE, New Delhi.)
Gat No. 309/310, Kusgaon (Bk), off Mumbai-Pune, Expressway.

Lonavala, Pune, 410401, Website : www.sinhgad.edu

Department of Engineering Sciences

Sample of Chemistry Continuous Assessment Sheet A Y 2020-21, Sem-I

Engg. CHEM TW 2020-21 SEM-I						10 for 90%, & for <90, X*10/100		2.5 for 15, & for <15, X*2.5/30		2.5 for 35, & for <35, X*2.5/70		File Marks 10	Total	Round of
Roll No	PRN No	Exam No	Name of Student	Attendance %	Marks 10	UT- I	Marks 2.5	UT-II	Marks 2.5					
D-01	72150009K	F190420012	AHER PRANAV SANJAY	100.00	10.00	25	2.5	23	2.3	10	24.8	23		
D-02	72150012K	F190420017	AMBHORE SHARAD SUBHASH	78.79	8.00	6	0.6	23	2.3	8	18.9	20		
D-03	72150015D	F190420020	ANARSE RUTUJA ARJUN	69.70	7.00	23	2.3		0.0	10	19.3	20		
D-04	72150020L	F190420026	ARYAN KALRA	100.00	10.00	25	2.5	21	2.1	10	24.6	23		
D-05	72150027H	F190420034	BALPANDE ANIKET SHANKAR	60.61	7.00	25	2.5	23	2.3	8	19.8	19		
D-06	72150030H	F190420037	BANKAR PUSHKAR UTTAM	93.94	10.00	24	2.4	20	2.0	10	24.4	23		
D-07	72150037E	F190420045	BHOSALE RUTIK ANNASAHEB	93.94	10.00	25	2.5	23	2.3	10	24.8	23		
D-08	72150039M	F190420048	BOKEY SAI PREMKUMAR	78.79	8.00	25	2.5		0.0	8	18.5	20		
D-09	72150048L	F190420059	DALVI ASHWINI VISHNU	96.97	10.00	24	2.4	22	2.2	10	24.6	23		
D-10	72150010C	F190420013	AJIT RANGNATH CHANDEL	66.67	7.00	25	2.5		0.0	6	15.5	19		
D-11	72150054E	F190420065	DIVYANSHU MISHRA	81.82	8.00	21	2.1		0.0	8	18.1	19		
D-12	72150060K	F190420071	GADHEKAR HARIKESH NAGNATH	72.73	7.00	22	2.2	18	1.8	7	18.0	19		
D-13	72150233E	F190420271	ROHIT RAHUL GAIKWAD	96.97	10.00	24	2.4	23	2.3	10	24.7	24		
D-14	72150067G	F190420078	GARJE ANIMESH SANJAY	66.67	7.00	25	2.5	22	2.2	7	18.7	20		
D-15	72150071E	F190420084	GAWADE POOJA LAXMAN	90.91	10.00	25	2.5	18	1.8	10	24.3	23		
D-16	72150077D	F190420091	GHOSALE PRATIKSHA ARVIND	78.79	8.00	25	2.5	23	2.3	8	20.8	21		
D-17	72150219K	F190420252	PRANOTI UDAY GOSAVI	63.64	7.00	11	1.1	6	0.6	6	14.7	18		
D-18	72150086C	F190420100	HARPUDE SIDDHANT CHANDRAKANT	90.91	10.00	25	2.5	7	0.7	10	23.2	22		
D-19	72150091K	F190420107	JADHAV ADITYA VIJAY	69.70	7.00	23	2.3	23	2.3	7	18.6	22		
D-20	72150097J	F190420113	JADHAV SAHIL SANJAY	81.82	8.00	25	2.5	22	2.2	8	20.7	22		
D-21	72150100B	F190420116	JAGDALE AJAY KRISHNA	93.94	10.00	24	2.4	22	2.2	10	24.6	23		
D-22	72150107K	F190420123	JAVIR SAURABH VISHNU	66.67	7.00	23	2.3		0.0	7	16.3	19		
D-23	72150110K	F190420127	JOSHI ANIKET DEEPAK	87.88	9.00	23	2.3	21	2.1	9	22.4	23		
D-24	72150119C	F190420139	KANGULE SUMIT KASHINATH	84.85	9.00	23	2.3	23	2.3	8	21.6	22		
D-25	72150122C	F190420142	KAREMORE BHUSHAN CHANDRABHAN	84.85	9.00	25	2.5	23	2.3	8	21.8	22		
D-26	72150123M	F190420143	KASHID NEHA SHARAD	100.00	10.00	15	1.5	7	0.7	10	22.2	23		
D-27	72150131B	F190420152	KHANDAGALE ANUSHKA BIPIN	75.76	8.00	25	2.5	20	2.0	8	20.5	22		
D-28	72150135E	F190420157	KHARADE VAIBHAV LAHU	96.97	10.00	25	2.5	22	2.2	10	24.7	23		
D-29	72150268H	F190420310	SHUBHAM SHAHAJI KOKATE	78.79	8.00	25	2.5	22	2.2	8	20.7	22		
D-30	72150144D		KORE ANUSHKA SOPANRAO	0.00	0.00		0.0		0.0		0.0			
D-31	72150156H	F190420181	LATPATE AVIRAJ BHAUSAHEB	100.00	10.00	24	2.4	23	2.3	10	24.7	23		
D-32	72150160F	F190420185	LOKESH SINGH	100.00	10.00	25	2.5		0.0	10	22.5	23		
D-33	72150168E	F190420191	MANDOLIKAR SAKSHI CHANDRAKANT	100.00	10.00	25	2.5	20	2.0	10	24.5	23		
D-34	72150171M	F190420198	MENKUDALE BHUSHAN SANJAY	39.39	5.00	23	2.3		0.0	5	12.3	18		
D-35	72150180L	F190420209	MOMIN ALI MAJID	81.82	8.00		0.0	22	2.2	8	18.2	22		
D-36	72150184C	F190420213	MOTE SAGAR NARAYAN	75.76	8.00	24	2.4	8	0.8	8	19.2	22		
D-37	72150186K	F190420216	MUGALE ABHISHEK RAHUL	90.91	10.00	23	2.3		0.0	10	22.3	23		
D-38	72150193B	F190420224	NIKHIL ANIL YADAV	96.97	10.00	25	2.5	23	2.3	10	24.8	23		
D-39	72150195J	F190420226	PANCHAKSHARI ONKAR SANGARM	39.39	7.00		0.0	23	2.3	5	14.3	19		
D-40	72150205K	F190420237	PATIL NIKHIL SHIVAJI	66.67	7.00	25	2.5	23	2.3	7	18.8	21		
D-41	72150207F	F190420239	PATIL SHRADDHA YUVARAJ	90.91	10.00	25	2.5	21	2.1	10	24.6	23		
D-42	72150209B	F190420241	PATIL YASH PRADIP	78.79	8.00	25	2.5	23	2.3	10	22.8	23		
D-43	72150217C	F190420250	PRAJAPAT DIPKUMAR ASHOK	93.94	10.00	25	2.5	22	2.2	10	24.7	23		
D-44	72150221M		PRINCE KUMAR PANDEY	0.00	0.00		0.0		0.0		0.0			
D-45	72150221M	F190420106	RUTUJA NITIN HUNDEKARI	93.94	10.00	24	2.4	21	2.1	10	24.5	23		
D-46	72150236K	F190420274	SAKSHI ANKUSH BHALERAO	81.82	8.00	24	2.4	8	0.8	8	19.2	22		
D-47	72150244L	F190420283	SARADE ASHWIN SURESH	81.82	8.00	25	2.5		0.0	8	18.5	22		
D-48	72150248C	F190420287	SATPUTE OMESH ANIL	75.76	8.00	25	2.5		0.0	8	18.5	22		
D-49	72150258L	F190420299	SHERKAR VAISHNAVI ANKUSH	84.85	9.00	25	2.5	22	2.2	8	21.7	23		
D-50	72150261L	F190420302	SHINDE AJAY SOMNATH	93.94	10.00	25	2.5	24	2.4	10	24.9	23		
D-51	72150270K	F190420312	SINARE ANIKET BHAUSAHEB	81.82	8.00	25	2.5	23	2.3	8	20.8	23		
D-52	72150274B	F190420316	SONAWANE ATHARVA VIJAYKUMAR	60.61	7.00	25	2.5		0.0	6	15.5	19		

Sample of Mechanics Continuous Assessment Sheet A Y 2020-21, Sem-II

Sinhgad Technical Education Society's

Sinhgad Institute of Technology, Lonavala

Department of Engineering Sciences (F. E. 2020-21 SEM-II)



Sinhgad Institutes

Engineering Mechanics Sem-II

Term Work Marks

Roll No	Exam Seat	PR No.	Student Name	Unit test marks (2)	Unit test marks (2)	Attendance	marks (Session-1)	Total (25)			
A-01	F190420163	72150139H	AAGE KIRTI DATTATRAY	24	2.4	23	2.3	97.92	9.79	8	22
A-02	F190420002	72150002B	ABDUL AZIZ EHTESHAM KHAN	24	2.4	AB	0	52.08	5.21	7	15
A-03	F190420028	72150022	ARYAN SRIVASTAVA	25	2.5	24	2.4	89.58	8.96	8	22
A-04	F190420029	72150023E	ARYAN VISHWAS RANGARI	AB	0	AB	0	68.75	6.88	7	15
A-05	F190420040	72150033B	BELKUNDE AJAY SANGAPPA	22	2.2	21	2.1	100.00	10.00	8	22
A-06	F190420173	72150148	KUNAL SONI	25	2.5	22	2.2	100.00	10.00	8	23
A-07	F190420282	72150243B	BOHORA SANJANA TEJASINGH	23	2.3	21	2.1	100.00	10.00	8	22
A-08	F190420052	72150042	CHAVAN AKASH SUNIL	23	2.3	19	1.9	97.92	9.79	8	22
A-09	F190420055	72150044H	CHITRAL RUCHITA SHRINIWAS	24	2.4	23	2.3	100.00	10.00	8	23
A-10	F190420056	72150045F	CHOBHE YASH RAVINDRA	19	1.9	18	1.8	97.92	9.79	8	21
A-11	F190420066	72150055C	DIWAKAR MISHRA	23	2.3	21	2.1	89.58	8.96	8	21
A-12	F190420067	72150056	DONGARE ARYAN KIRAN	21	2.1	18	1.8	97.92	9.79	8	22
A-14	F190420075	72150064B	GAIKWAD UTKARSH AJIT	22	2.2	22	2.2	85.42	8.54	8	21
A-15	F190420087	72150074K	GHADGE NEHAL ANIL	23	2.3	23	2.3	85.42	8.54	8	21
A-16	F190420088	72150075H	GHODKE LOKESH NARENDRA	25	2.5	20	2	97.92	9.79	8	22
A-17	F190420096	72150082L	HANDGE RUSHIKESH RAJABHAU	AB	0	AB	0	45.83	4.58	9	14
A-18	F190420097	72150083J	HARAL SUDARSHAN ABASAHEB	25	2.5	24	2.4	93.75	9.38	8	22
A-19	F190420109	72150093F	JADHAV KARTIK CHHABAJI	20	2	20	2	47.92	4.79	7	16
A-20	F190420110	72150094D	JADHAV PRATIKSHA PRAKASH	22	2.2	21	2.1	95.83	9.58	8	22
A-21	F190420119	72150103	JAIN MOHIT JAYESHKUMAR	24	2.4	23	2.3	95.83	9.58	8	22
A-22	F190420120	72150104E	JAISWAL VAIBHAV SANTOSH	23	2.3	20	2	87.50	8.75	8	21
A-23	F190420131	72150113D	KADEKAR SAKSHI SUNIL	24	2.4	22	2.2	91.67	9.17	7	21
A-24	F190420132	72150114B	KADLAG TEJAS RAJENDRA	24	2.4	AB	0	66.67	6.67	9	18
A-25	F190420146	72150126F	KATORE CHAITANYA SUBHASH	25	2.5	23	2.3	100.00	10.00	8	23
A-26	F190420147	72150127D	KENDRE ROHINI KISHAN	23	2.3	22	2.2	89.58	8.96	8	21
A-27	F190420161	72150138K	KHONDE SHANTANU KAUTIK	24	2.4	22	2.2	95.83	9.58	8	22
A-29	F190420172	72150147J	KUMAR SHRIJAN UDESHWAR RA	21	2.1	19	1.9	91.67	9.17	8	21
A-30	F190420175	72150150J	KUSHWAHA PRIYANKA ACHCHHEYI	25	2.5	22	2.2	85.42	8.54	8	21
A-31	F190420177	72150152E	LAGAD TANAYA RAJU	23	2.3	21	2.1	100.00	10.00	8	22
A-32	F190420178	72150153C	LAHARIYA DEVASHISH KAILAS	23	2.3	21	2.1	68.75	6.88	8	19
A-33	F190420188	72150163L	MAHADIK MOHIT PRASHANT	23	2.3	22	2.2	100.00	10.00	8	23
A-34	F190420189	72150164J	MAHAJAN SHARDUL SANTOSH	24	2.4	24	2.4	97.92	9.79	8	23
A-35	F190420201	72150174F	MHATRE SIDDHESH SATISH	24	2.4	23	2.3	91.67	9.17	8	22
A-36	F190420204	72150176B	MOGAL NIKHIL BAJIRAO	22	2.2	21	2.1	93.75	9.38	8	22
A-37	F190420218	72150188F	NAGAWADE PRATIKSHA SANTO	23	2.3	23	2.3	95.83	9.58	8	22
A-38	F190420220	72150190H	NARAWADE PRITI GORAKSHANA	24	2.4	24	2.4	100.00	10.00	8	23
A-39	F190420231	72150200J	PARKHE TEJAS SANTOSH	19	1.9	7	0.7	87.50	8.75	9	20
A-40	F190420232	72150201	PARKHI WRUSHABH VILAS	25	2.5	23	2.3	91.67	9.17	8	22
A-41	F190420244	72150212B	PAWAR PRUTHVIRAJ SANJAY	25	2.5	23	2.3	85.42	8.54	8	21
A-42	F190420245	72150213L	PAWAR VIKAS RAMESH	22	2.2	20	2	89.58	8.96	8	21
A-43	F190420261	72150226B	RANDIVE SWAPNIL SANJAY	22	2.2	20	2	77.08	7.71	7	19
A-44	F190420262	72150227L	RATHOD SANKET SANDESH	23	2.3	22	2.2	89.58	8.96	8	21
A-45	F190420276	72150238F	SALUNKE RANI DATTATRAY	18	1.8	15	1.5	56.25	5.63	8	17
A-46	F190420278	72150240H	SAMRUT SAHIL ABASAHEB	23	2.3	23	2.3	83.33	8.33	8	21
A-47	F190420279	72150241F	SANAP SUDARSHAN BHAUSAHE	22	2.2	22	2.2	95.83	9.58	8	22

5. Faculty Feedback and Action Taken (Academic Year-2020-21 (Semester-I))



SINHGAD TECHNICAL EDUCATION SOCIETY'S
 SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
 ENGG.SCIENCES DEPARTMENT

Online Feedback For Teaching Learning- SEM I

Parameters/Faculty:	Prof.Sarita S.Mali	Prof.N.A.Shete	Prof.D.S.Ghodake	Prof.B.M.Tavade	Prof.S.D.Shinde
Parameters/Faculty:	Engineering Mathematics-I(107001)	Engineering Mechanics (101011)	Systems In Mechanical Engineering (102003)	Engineering Chemistry (107009)	Basic Electronics Engineering (104010)
[1] Voice Quality?	92.3	91.3	97.2	90.2	90.7
[2] Presentation on board (Writing/PPT)?	94.0	93.4	86.4	90.2	90.7
[3] Syllabus Coverage According to the Academic calendar?	95.6	92.3	90.7	92.3	91.8
[4] Subject Knowledge?	93.4	95.0	94.5	94.5	95.0
[5] Communication skill ?	91.8	92.9	95.6	94.5	89.6
[6] Interaction with students?	92.3	96.1	96.1	94.0	91.8
[7] Quality of study material (PPT/Notes/QB)?	91.3	95.0	90.2	93.4	90.2
[8] Punctuality?	96.1	95.0	96.1	92.3	91.8
[9] Faculty Subject Preparation for Class?	90.7	92.9	94.5	95.0	93.4
[10] Quality of Lecture Attended?	94.5	94.0	93.4	91.8	91.3
Total Feedback in Percentage	93.2	93.8	93.5	92.8	91.6

Total Responses 37

Grading	Range
[1]Low	0-50
[2]Moderate	51-75
[3]Good	76-90
[4]Best	91-95
[5]Excellent	96-100



Dr. P. S. Patil
 HOD

HEAD

Department of Engineering Sciences (FE)
 Sinhgad Institute of Technology, Lonavala



Sinhgad Institutes

SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA

Engineering Sciences Department

Online Feedback For Teaching Learning-SEM II									
SUBJECT	Engineering Mathematics-II (107008)	Programming and Problem solving (110005)	Engineering Graphics (102012)	Engineering Physics (107002)	Class:FE_D Basic Electrical Engineering (103004)	Environment Study - II (AC) (101014)	Project Based Learning (PBL) (110013) D1	Project Based Learning (PBL) (110013) D2	Project Based Learning (PBL) (110013) D3
Parameters Faculty	Prof.Sarita S.Mali	Prof.S.P.Jadhav	Prof.S.B.Patil	Dr. M.A. Waghmare	Prof.D.M.Chahyal	Prof.N.A.Shete	Prof F S Ghodichor	Prof F S Ghodichor	Prof F S Ghodichor
[1] Voice Quality?	88.8	90.6	90.1	87.5	94.6	94.1	85.7	84.8	88.8
[2] Presentation on board (Writing/PPT)?	90.1	90.1	90.1	88.4	94.1	92.8	88.8	86.6	87.9
[3] Syllabus Coverage According to the Academic calendar?	87.9	91.5	92.4	88.4	95.0	93.2	89.2	87.0	87.0
[4] Subject Knowledge?	85.7	89.2	91.0	81.7	93.7	94.6	85.7	85.7	85.7
[5] Communication skill?	85.2	87.9	90.1	80.8	94.1	94.1	86.6	87.0	86.6
[6] Interaction with students?	89.2	89.7	91.5	87.0	94.6	93.7	86.6	85.7	86.6
[7] Quality of study material (PPT/Notes/QB)?	89.7	89.7	92.4	85.7	94.6	94.1	85.7	85.2	85.7
[8] Punctuality?	88.4	89.2	90.6	88.4	95.0	93.7	86.1	83.9	85.2
[9] Faculty Subject Preparation for Class?	86.6	90.6	91.0	89.2	94.6	93.2	87.5	84.4	86.6
[10] Quality of Lecture Attended?	86.6	87.0	85.7	95.0	93.2	82.6	79.9	83.0	86.6
Total Feedback in Percentage	87.8	89.6	90.5	87.2	94.4	92.6	86.2	85.3	86.7

Total Responses	45
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Grading	Range
[1]Low	0-50
[2]Moderate	51-75
[3]Good	76-90
[4]Best	91-95
[5]Excellent	96-100



Dr. P.S.Patil

HEAD

Department of Engineering Sciences (F.E.)
Sinhgad Institute of Technology, Lonavala



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Lonavala, Pune, 410401,Website :www.sinhgad.edu

Department of Computer Engineering

UNIT TEST 01 AND 02 NOTICES & TIME TABLE –AY-2020-21

Date: - 09/11/2020



Prelim Notice

All faculty members hereby informed that SE,TE and BE internal Prelim Exam for Sem-I academic Year 2020-21 scheduled on 23rd Nov to 27th Oct 2020. Detailed schedule of Prelim are enclosed here. Please, go through it and Prepare Question papers as per SPPU Endsem exam format with format shared by Dr.Babar sir with college Notice

Prelim Exam and MCQ Exam Schedule

Day	Date	Time	Subject Name		
			SE	TE	BE
Monday	23/11/2020	9:00 am to 10:00 am	Discrete Math MCQ	TOC MCQ	HPC MCQ
		10:00 am to 1:00pm	Discrete Math Theory	TOC Theory	HPC Theory
Tuesday	24/11/2020	9:00 am to 10:00 am	FDS MCQ	DBMS MCQ	AI&R MCQ
		10:00 am to 1:00pm	FDS Theory	DBMS Theory	AI&R Theory
Wednesday	25/11/2020	9:00 am to 10:00 am	OOP MCQ	SEPM MCQ	DA MCQ
		10:00 am to 1:00pm	OOP Theory	SEPM Theory	DA Theory
Thursday	26/11/2020	9:00 am to 10:00 am	CG MCQ	ISEE MCQ	ELECTIVE-I MCQ DSP,SAD,PUC,DMW
		10:00 am to 1:00pm	CG Theory	ISEE Theory	ELECTIVE-I Theory DSP,SAD,PUC,DMW
Friday	27/11/2020	9:00 am to 10:00 am	DELD MCQ	CN MCQ	ELECTIVE-II MCQ DS,STQA,OR,MC
			DELD Theory	CN Theory	ELECTIVE-II Theory DS,STQA,OR,MC

- Please note that every division should have different set of questions in a Question paper.



HEAD
Dept of Computer Engineering
S. J. T. Lonavala-410 401

SAMPLE PAPERS and ANSWERSHEETS

Sinhgad Technical Education Society

Unit Test-1

Academic Year - 2020-21, Semester – I

Branch: Computer Engineering

Subject: Database Management System

Class: TE-A
Date: 29/09/2020

Marks: 30
Time: 1 Hr

Q.No	Questions	Marks	CO
1a	Consider a database used to record the marks that students get in different exams of different course offerings. Construct an E-R diagram that models exams as entities, and uses a ternary relationship, for the above database.	5	1,5
1b	Draw the overall Database System Structure. Explain Storage manager, transaction manager and query processor in detail.	5	1,5
	-OR-		
2a	Assume we have the following application that models soccer teams, the games they play, and the players in each team. In the design, we want to capture the following : •We have a set of teams, each team has an ID (unique identifier), name, main stadium, and to which city this team belongs. •Each team has many players, and each player belongs to one team. Each player has a number (unique identifier), name, DoB, start year, and shirt number that he uses. •Teams play matches, in each match there is a host team and a guest team. The match takes place in the stadium of the host team. •For each match we need to keep track of the following: ° The date on which the game is played ° The final result of the match ° The players participated in the match. For each player, how many goals he scored, whether or not he took yellow card, and whether or not he took red card. ° During the match, one player may substitute another player. We want to capture this substitution and the time at which it took place. •Each match has exactly three referees. For each referee we have an ID (unique identifier), name, DoB, years of experience. One referee is the main referee and the other two are assistant referee. Design an ER diagram to capture the above requirements. State any assumptions you have that affects your design.	5	1,2
b	Distinguish between Super key, candidate key and primary key	5	2
3a	Consider insurance database with following schema : write query to create table person(driver-id, name, address) car(license, model, year) accident (report - no, date, location) owns(driver-id,license) participated(driver-id,car,report-no,damage-amount) Write a query in SQL for following requirements (any 2) : i)Find the total no. of people who owned cars that were involved in accidents in 2016. ii)Retrieve the name of person whose address contains Pune. iii)Find the name of persons having more than two cars.	5	2,3
b	The organization has decided to increase the salary of employees by 10% of existing salary, whose existing salary is less than Rs. 10000/- Write a PL/SQ block to update the salary as per above requirement, display an appropriate message based on the no. of rows affected by this update (using implicit cursor status variables).	5	2,3
	-OR-		
4a	Write a PLSQL code block to calculate the area of a circle for a value of radius varying from 3 to 7. Store the radius and the corresponding values of calculated area in an empty table name Area, consisting of two columns radius and area	5	1,2,3

29/09/2020

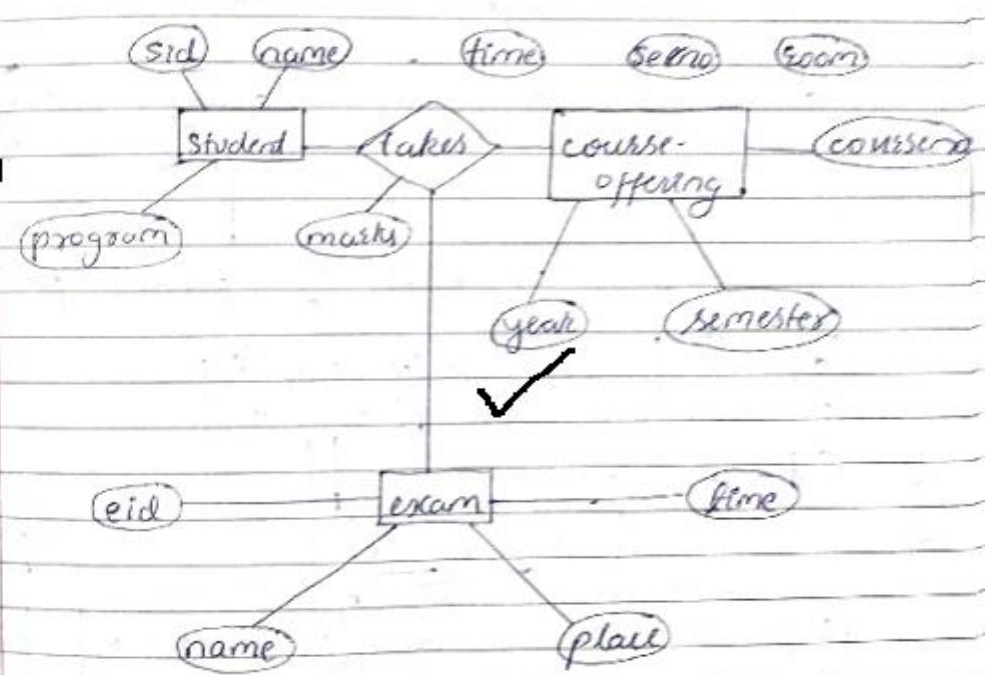
DBMS
 Unit Test - 1

DOMS Page No. 1
 Date: / /

Shruti Phore
 A:01

Q1a) Consider a database used to record the marks that students get in different exams of different course offerings. Construct an E-R diagram that models exams as entities and used a ternary relationship for above database.

Ans.



```

    erDiagram
        student ||--o{ takes : takes
        course-offering ||--o{ takes : takes
        exam ||--o{ takes : takes
        student {
            string sid PK
            string name
            string program
        }
        course-offering {
            string courseid PK
            string year
            string semester
        }
        exam {
            string eid PK
            string name
            string time
            string place
        }
        takes {
            float marks
        }
    
```

E-R diagram for marks database



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Department of Computer Engineering

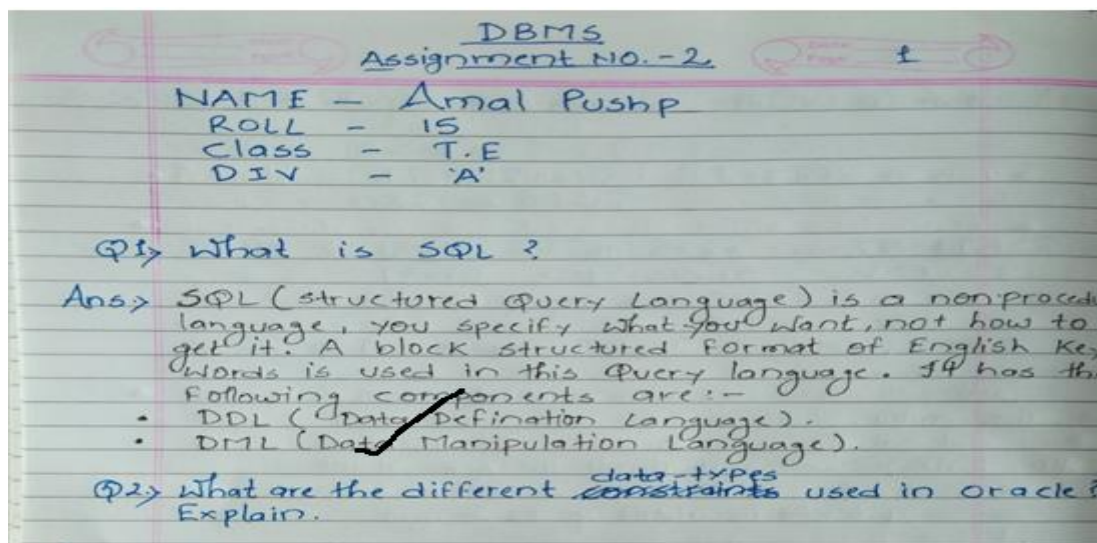
TERMWORK ASSESSMENT SHEET

SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA										
DEPARTMENT OF COMPUTER ENGINEERING										
Third Year Computer Engineering										
Semester : II Academic Year : 2020-2021 Div : TE-ABC Subject - ESIOTL										
TERM WORK - ES & IoT Lab										
Sr. No.	PRN NO	SEAT NO	Roll No	Name of Student	Overall Attendance 20 Marks	Insem Exam 15 Marks	CONTINUOUS ASSESSMENT 15 Marks	Extra	Total 50	Round UP
1	71715678J	T150424249	TCA01	SHRUTI MAHENDRA DHONE	8.18	15	9.85	0.00	33.04	34.00
2	71824010D	T150424206	TCA02	ADSURE ADITYA PRASHANT	8.75	15	8.14	0.00	31.90	32.00
3	71824066K	T150424218	TCA03	AWARI VEDANT SHANKAR	10.96	15	7.93	1.67	35.56	36.00
4	71824171B	T150424241	TCA04	SHIVRAJ PANDURANG DESAI	4.50	15	8.14	0.00	27.64	28.00
5	71824182H	T150424243	TCA05	DEVARSHE ASHISH VILAS	6.05	15	7.93	1.67	30.55	31.00
6	71824254J	T150424262	TCA06	GOSAVI KUNAL NARAYAN	19.63	15	12.64	0.00	47.27	48.00
7	71824677C	T150424376	TCA07	RISHIKA SHAILESH THAKUR	7.20	13.89	10.07	1.67	32.83	33.00
8	71824852L	T150424415	TCA08	TANDLE SANJIVANI AJINATH	20	15	13.07	1.67	49.74	50.00
9	71824924M	T150424434	TCA09	WAGHMARE SWATI RAJU	19.47	15	13.50	0.00	47.97	48.00
10	71913452J	T150424405	TCA10	ABHISHEK ANJANI SINGH	8.10	15	12.00	2.50	37.60	38.00
11	71913455C	T150424204	TCA11	ADARSH RAI	20	15	13.93	1.67	50.60	51.00
12	71913456M	T150424321	TCA12	AGRAWAL MAYURI VINOD(TFWS)	20	15	14.14	0.00	49.14	50.00
13	71913458H	T150424208	TCA13	AKASH ASATKAR	9.57	15	14.14	0.00	38.71	39.00
14	71913459F	T150424209	TCA14	AKSHAY KUMAR	2.37	15	8.14	1.67	27.18	28.00
15	71913461H	T150424210	TCA15	AMAL PUSHP	19.14	15	14.36	1.67	50.16	51.00
16	71913462F	T150424211	TCA16	AMAN KASHYAP	14.72	15	10.07	1.67	41.46	42.00
17	71913463D	T150424212	TCA17	AMATE PRITEE BALASAHEB	9.82	15	14.14	1.67	40.63	41.00
18	71913466J	T150424213	TCA18	AMBORKAR SHIVANI NARENDRA	13.01	15	14.14	1.67	43.82	44.00
19	71913468E	T150424214	TCA19	AMIT SHINDE	17.26	15	14.14	2.50	48.90	49.00
20	71913470G	T150424215	TCA20	ANUKRITI SINGH	20	15	14.36	0.00	49.36	50.00

Dr. S. D. Babar
HOD, CE



Assignments



Mock Oral

SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
DEPARTMENT OF COMPUTER ENGINEERING
MOCK ORAL EXAM AY- 2020-21 (SEM - I)

CLASS: T.E-B
 BATCH: TEB4
 Subject: - DBMS

Day :- 24/10/20 - Friday Date: 24/10/20

Sr.No	Roll No.	Name Of The Student	Sign	MARKS O/F 10
1	TCB61	TAYADE NIKHIL ISHWARLAL (DA)	P	9
2	TCB62	UKAYE TABISH AIZAZ (DA)	P	7
3	TCB63	LONKAHANDE VISHAL ABASAHEB	P	7
4	TCB64	CHINDAGE RUSHIKESH BABURAO	P	10
5	TCB65	HADAWANE KOMAL SITARAM	P	7
6	TCB66	KENEKAR VIRAJ SANJAY (DA)	P	10
7	TCB67	KHAN AZHAR HASAN (DA)	P	7
8	TCB68	SONAR TEJASHREE ANAND (DA)	P	7
9	TCB69	PRATHAMESH DESAI	P	8
10	TCB70	PAWAR PRAJYOT GUNTAJI	P	8
11	TCB71	PUSHKAR DINESH WARKE	P	7
12	TCB72	RAGHUVANSHI RADHIKA SANJEEV	P	7
13	TCB73	SAGARE KARAN TULASHIRAM	P	7
14	TCB74	SHASHWAT PATEL	P	9
15	TCB75	SURYAWANSHI PRAKASH	P	9
16	TCB76	THUBE PRAMOD JAYASHING	P	9
17	TCB77	TORMAL SHUBHAM BABAN	P	8
18	TCB78	PAWAR NEHA YUVRAJ	P	9
19	TCB79	ZAGADE BHUSHAN SANJAY	P	9

Rajesh Maske
 Name & Sign of Faculty

Feedback of Faculty

SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
COMPUTER ENGG. DEPARTMENT

Online Feedback For Teaching Learning

SUBJECT	SE A (COMP)				
	Discrete Mathematics	Fundamentals of Data Structures	Object Oriented Programming	Computer Graphics	Digital Electronics and Logic Design
Parameters: Faculty	Prof.A.P. Udavant	Prof.M.N. Kumbhar	Prof.R.S. Shishupal	Prof.S.R. Patil	Prof.M.S. Jadhav
1) Voice Quality?	85.0	85.9	87.1	82.9	83.3
2) Presentation on board (Writing/PPT)?	80.8	84.2	87.6	82.9	78.6
3) Syllabus Coverage According to the Academic calendar?	82.5	88.4	91.0	87.6	86.3
4) Subject Knowledge?	87.6	88.0	91.4	88.4	84.2
5) Communication skill?	79.5	83.3	86.7	86.7	79.5
6) Interaction with students?	82.9	82.9	82.5	82.9	79.1
7) Quality of study material (PPT/Notes/QB)?	82.5	84.2	85.4	85.0	83.7
8) Punctuality?	83.7	85.0	88.8	85.0	82.0
9) Faculty Subject Preparation for Class?	82.0	83.7	85.0	86.3	82.9
10) Quality of Lecture Attended?	84.2	85.9	85.0	89.3	84.6
Total Feedback in Percentage	83.0	85.1	87.0	85.7	82.4

Total Responses	47
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Grading	Range
Low	0-50
Moderate	51-75
Good	76-90
Best	91-95
Excellent	96-100

Dr. S.D. Babar
 HEAD
 Dept. of Computer Engineering
 S. T. I., LonaVala-410 401



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Department of Electronics and Telecommunication Engineering

Mechanism of internal assessment

Unit test -1 Time Table

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Lonavala, Pune, 410401, Website : www.sinhgad.edu
Department of Electronics and Telecommunication Engineering

Date: 24/2/2020

Notice

All students (TE, BE) are informed that Unit Test 1 is scheduled from 26th Feb 2020 to 28th Feb 2020 (Based on 1,2,3 units). Attendance is compulsory

Time Table: Unit Test 1 (TE, BE)

Sr. No.	Date	Day	Time	Subjects	
				TE	BE
1	26-02-2020	Wednesday	10:00am to 11:00am	PE	MC
2			2:00pm to 3:00pm	ITCN	BCS
3	27-02-2020	Thursday	10:00am to 11:00am	BM	AVE
4			2:00pm to 3:00pm	AP	BME/WSN/Robotics
5	28-02-2020	Friday	10:00am to 11:00am	SPOS	

Notice:

- 1) Late students are not allowed for exam
- 2) During Exam no one can leave class
- 3) Retest will be conducted for Absent and Fail students by respective subject incharge the detailed scheduled for Retest will be displayed by the respective subject incharge.

24/2/2020
Prof. D. N. Duche
Exam. Coordinator

F.M.K.
Prof. M. K. Bhosale
Exam. Coordinator

Dr. D. D. Chaudhary
Head of Department
Electronics & Tele. Engineering

Dept Tel.: +91 2114-304401 304 612, 304354, Office : 304355, 304356, Telefax: 02114-278304 email: hodentc.sit@sinhgad.edu

Date: 06/11/2020

Notice

Dear all HOD's

Greetings of the day,

As per discussion and decision taken in today's principal meeting it has been decided to the attached template for preparation

1. **MCQ** – Each unit with 10 questions (MCQ) having difficulty level (4+4+2 – Difficulty level 1,2,3) Prepare as per attached format.
2. **Preliminary Examination:** As per format attached.

All HOD's are requested to communicate the same to all staff of your department.

3. Submit all the MCQ and Preliminary papers in the prescribed format before 11th Novemeber 2020.



Dr. M.S. Gaikwad

Principal

SINHGAD INSTITUTE OF TECHNOLOGY
Kusaon(Bk.), Lonavala - 410401.





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Lonavala, Pune, 410401, Website : www.sinhgad.edu

Department of Electronics and Telecommunication Engineering

sample answer sheet

STES's
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
(Details to be filled by students)

Student Name: Mansi. U. Dabhade Exam: Prelim Exam Branch: E&TE
Date: 26/11/2020 Day: Thursday Class: TECA Subject: Microcontroller

Signature of Student _____ Signature of Subject Teacher _____

Ques-1)

a) → [For BL = 9800, TH1 = -3 or FDH]

```
ORG 0000H
MOV TMOD, #20H ; initialization
MOV TH1, #-3H ; 9600 Baud rate
MOV SCON, #50H
SETB TCON.6 ; Begin to transmit
AGAIN: MOV A, #'S'
CALL TRANS
MOV A, #'P'
CALL TRANS
MOV A, #'U'
CALL TRANS
SJMP AGAIN 1

TRANS: MOV SBUF, A ; serial transmitting
AGAIN2: JNB TI, AGAIN2
CLR TI
RET
```

Results Assessment

 O.P.J.S. GROUP OF INSTITUTIONS OPJS INSTITUTE OF TECHNOLOGY, KUNGLAON (B.L. LEPAVALA) DEPARTMENT OF ELECTRONICS & TELECOMMUNICATIONS ACADEMIC YEAR 2022-23 Sem. I (Under Project: Microcontroller)											
IU (I&TC)			SEM I TOT		SEM II TOT		SEM III TOT		SEM IV TOT		Total
Sl. No.	Roll No.	Name of the student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Total
1	TEA01	SHRINIDHI ANAND CHANDRAN	20	20	18	16	18	18	18	18	70
2	TEA02	RAJ SHAMSHI RAJESH	17	AC		14	12		07		50
3	TEA03	GUPTA SONALI SARANYA	15			11	12		08		52
4	TEA04	SHARAD SHUBHAM SURESH	15				11		08		52
5	TEA05	ADITHYAN KISHAN VIKRANT	17			14	12		12		55
6	TEA06	ADITHYAN ANIKET SARDAR	15			14		07	16		52
7	TEA07	RAJESH KADAV	16			09	07				52
8	TEA08	SHRUTI ELAM	15			15	10				50
9	TEA09	MULLEWARATHANVA	20			14		08	02		54
10	TEA10	ANAVESH RAJESH ELAM	17			14		10	07		58
11	TEA11	SHIVESH ANSHU CHIRUDDHAN	17	44.3		14		12	06		50
12	TEA12	SHARADKAR SARANG SHIRISHWA	04			14	07		09		50
13	TEA13	JAYANT JOGESH NANDKISHOR	12			07		16			35
14	TEA14	PAI NIKHIL KUPESH	12			07					35
15	TEA15	RAJUL SHUBHAM SAN	18			09		12	02		41
16	TEA16	JAYANT KANIT ASARAM	14		07			12	06		40
17	TEA17	SAWANT LICHAN VISHWANAR	17			14		11		13	55
18	TEA18	SHASHI MUSTANSIR MUKHTAR	12			06		11			29
19	TEA19	SHINDE PRATHANSHI MANISH	18			14		12	02		46
20	TEA20	SATRU DILIP SONAWARE	17			14		14	09		54
21	TEA21	ASHWIN ANSHU WADHWANI	15			14		18	09		64
22	TEA22	GANESH HARSHVAROHAN ANIL			AC						AC
23	TEA23	SHARAD TRUPTI HIRABHANT	20			09		18	13		50
24	TEA24	SHRUTI RAJESHWAR VALLE	16			14		18	13		51
25	TEA25	SAWLE LIZAM RAJU	17			14		12		02	45
26	TEA26	PATA VINODHAY SARDY	28			15		14	15		72
27	TEA27	ARUN SARDHAN	17			07		05			29
28	TEA28	BHARADWAJ KRANSHI NARENDRA		05		14		11			30
29	TEA29	YAMALAKAR ANSHU SONESHWAR			AC						AC
30	TEA30	BHOSALE SHUBHAM POPAT			AC						AC
31	TEA31	WALDE PRATIK HEMRAJ	18			12		12	02		44
32	TEA32	SAWANT NAYAN BHAGWANRAJ	18			16		12	08		54
33	TEA33	KHAIKAR TANMAY ANSHADAS	18			14		11			53
34	TEA34	KOLU SAGAR VUAYLIMAR	16			14		20		06	56
35	TEA35	PETKAR PRANITA DEWANAND	17			12		12	10		51
36	TEA36	ADITHYAN KISHAN SURESH	15			14		12		08	49
37	TEA37	HOLE AKSHAY GAJANAN	09			14		12		11	46
38	TEA38	ASHRUTEJ RAMACHANDRAN N							AC		AC
39	TEA39	KUTY AMOL PARJANAN	13			14		12		06	45
40	TEA40	INDALE GAURAV RAJULAS						AC			AC
41	TEA41	SODAM ANUR PRERAJAL	17			09		12	08		46
42	TEA42	GUNJAL SACHIN DINESHRAO	17			14		12			43
43	TEA43	TOHAN BHANU AWASTHI	17			14		12	08		51
44	TEA44	SHREYA SURESH HOLE	15			14		12	11		56
			####	####	####	####	####	####	####	####	###
		Total Present	0								
		Total Absent	0								
		Passed	0								
		Failed	0								
		Passing %	####								
		% Attendance	####								

[Signature]



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Department of Electronics and Telecommunication Engineering

Assignment

10/10
Amit Kumar
TE-A-01

Assignment-1
ITCT

Q. A 3 bit PCM system generates 1,000 samples per second. If the quantized samples produced by the system have probabilities - $\{\frac{1}{4}, \frac{1}{4}, \frac{1}{8}, \frac{1}{8}, \frac{1}{16}, \frac{1}{16}, \frac{1}{16}, \frac{1}{16}\}$. Find the rate of information if the samples are equiprobable. What will be the rate of information?

→ sol:-
Given: Number of bits used in PCM system = 3 bits
Hence, there will be 8 quantized samples.

i) Probabilities of samples = $\{\frac{1}{4}, \frac{1}{4}, \frac{1}{8}, \frac{1}{8}, \frac{1}{16}, \frac{1}{16}, \frac{1}{16}, \frac{1}{16}\}$

∴ Entropy $H = \frac{1}{4} \log 4 + \frac{1}{4} \log 4 + \frac{1}{8} \log 8 + \frac{1}{8} \log 8$
 $+ \frac{1}{16} \log 16 + \frac{1}{16} \log 16 + \frac{1}{16} \log 16 + \frac{1}{16} \log 16$
 $= 2.75 \text{ bits/sample}$

Rate of information = $R = rH$
 Since, $r = 1000 \text{ samples/sec.}$
 ∴ $R = 2.75 \times 1000 = 2750 \text{ bits/sec.}$

ii) If samples are equiprobable.

$H = \log m$ where, $m = 8$
 $= 3 \text{ bit/sample}$

∴ Rate of information $R = rH$
 $= 1000 \times 3$
 $= 3,000 \text{ bit/sec.}$

From above example, it can be seen that when all messages are equally likely, $R = r \log m$; whereas, when the probabilities are different, $R < r \log m$.



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Department of Electronics and Telecommunication Engineering

Continuous Assessment in the laboratory and Evaluations and Term work

SINHGAD INSTITUTE OF TECHNOLOGY, Kusgaon(Bk.), Lonavala Department of Electronics and Telecommunication Engineering Summary sheet Attendance /Test Sheet Term I, 2020-21 ---T.E. E&TC (A)																						
Sinhgad Institutes		Name of the Faculty :- Dr. Mantri D S																				
Subject :- MC 304184		Batch :-																				
SN	Seat No	Roll No	Name of the student \ Date	TH	PR	T1	Pre1	1 MT	2 LED	3 LCD	4 DAC	5 STM	6 LED	7 TIM	8 SER	9 AD	10 DC	Total CA	Mark	DE	Sign	
			OUT OF	39	9	30	70	10	10	10	10	10	10	10	10	10	10	100	5	10		
38	T150423001	TEA38	ABHJEETH RAMACHANDRAN N	14	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
9	T150423002	TEA09	ALLEWAR ATHARVA	38	9	25	52	10	10	10	10	10	10	10	10	10	10	100	5	0	39	
10	T150423003	TEA10	ANIMESH RAKESH KUMAR	30	6	25	48	8	8	8	8	8	8	10	10	10	10	100	3.5	0	41	
27	T150423004	TEA27	ARJUN SAWAIYAN	25	5	25	29	10	10	10	10	10	10	10	10	10	10	100	0	0	35	
38	T150423008	TEA28	BHARADWAJ EKANSH NARENDRA	20	4	19	30	6	6	6	6	6	6	0	0	0	0	0	0	0	28	
30	T150423007	TEA30	BHOSALE SHUBHAM POPAT	24	1	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	
11	T150423008	TEA11	DIVESH ASHOK CHAUDHARI	23	6	0	50	8	8	8	8	8	6	6	6	6	6	70	2.5	0	36	
1	T150423009	TEA01	DABHADE MANSI UKANDRAO	35	6	23	50	10	10	10	10	10	10	10	10	10	10	100	4	0	35	
8	T150423010	TEA08	DHRUV KUMAR	34	7	20	39	10	10	10	10	10	10	10	10	10	10	100	3	0	38	
22	T150423011	TEA22	GAIKWAD HARSHWARDHAN ANIL	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
41	T150423014	TEA41	GEDAM ANJU HIRALAL	31	7	22	46	10	10	10	10	10	10	10	10	10	10	100	4.5	0	39	
42	T150423016	TEA42	GUNJAL SACHIN DINESHRAO	29	6	17	43	10	10	10	10	10	10	10	10	10	10	100	3	0	29	
3	T150423017	TEA03	GUPTA SONALI SANJAY	32	6	25	52	10	10	10	10	10	10	10	10	10	10	100	3.5	0	41	
12	T150423018	TEA12	HARUGADE SARANG SHRIKRISHNA	20	2	20	39	6	6	6	6	6	6	10	10	10	10	80	2	0	30	
2	T150423019	TEA02	RAI HIMANSHU RAJESH	18	1	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	
44	T150423020	TEA44	SHREYA SURESH HOLE	37	9	29	56	10	10	10	10	10	10	10	10	10	10	100	5	0	36	
16	T150423021	TEA16	JADHAV ROHIT ASARAM	37	9	24	40	10	10	10	10	10	10	10	10	10	10	100	0	0	34	
13	T150423022	TEA13	JADHAV YOGESH NANDKISHOR	23	5	19	36	0	0	0	0	0	0	0	0	0	0	0	0	0	22	
25	T150423024	TEA25	KAWLE LAXMI RAJU	36	8	20	45	10	10	10	10	10	10	10	10	10	10	100	0	0	36	
33	T150423025	TEA33	KHALIKAR TANMAY AMBADAS	28	4	13	37	6	6	6	6	6	6	0	0	0	0	30	3	0	34	
6	T150423026	TEA06	KOKAMWAR OMKAR SANJAY	16	0	19	34	0	0	0	0	0	0	10	10	10	10	10	10	0	30	
34	T150423027	TEA34	KOLI SAGAR VIJAYKUMAR	29	5	17	48	10	10	10	10	10	10	10	10	10	10	100	5	0	35	
39	T150423028	TEA39	KUTE AMOL PARASRAM	37	8	17	45	10	10	10	10	10	10	10	10	10	10	100	5	0	35	
24	T150423030	TEA24	MEHDI RASOOLJI VALIJI	37	9	28	55	10	10	10	10	10	10	10	10	10	10	100	0	0	34	
36	T150423033	TEA36	NIDVANICHE KRISHNA SURESH	15	6	28	49	10	10	10	10	10	10	10	10	10	10	100	0	0	34	
14	T150423034	TEA14	PAL HRITIK RUPESH	22	1	9	35	0	0	0	0	0	0	0	0	0	0	0	0	0	22	

Faculty Feedback

SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA ELECTRONICS AND TELECOMMUNICATION ENGG.DEPARTMENT					
Online Feedback For Teaching Learning-II					Class:SE_A (E&TC)
SUBJECT	Electronic Circuits	Digital Circuits	Electrical Circuits	Data Structures	Engineering Mathematics
Parameters/Faculty	Prof.M.K Bhosale	Prof.P.C.Latane	Prof.V.G.Rajeshwark	Prof.A.A.Labade	Prof S. R. Borate
[1] Voice Quality?	96.7	96.7	96.7	86.7	93.3
[2] Presentation on board (Writing/PPT)?	96.7	96.7	96.7	90.0	83.3
[3] Syllabus Coverage According to the Academic calendar?	96.7	96.7	96.7	96.7	83.3
[4] Subject Knowledge?	96.7	96.7	96.7	96.7	83.3
[5] Communication skill ?	93.3	96.7	93.3	96.7	86.7
[6] Interaction with students?	96.7	96.7	93.3	96.7	86.7
[7]Quality of study material (PPT/Notes/QB)?	96.7	96.7	86.7	96.7	83.3
[8] Punctuality?	96.7	96.7	96.7	96.7	90.0
[9]Faculty Subject Preparation for Class?	96.7	96.7	96.7	96.7	86.7
[10]Quality of Lecture Attended?	90.0	90.0	96.7	86.7	90.0
Total Feedback in Percentage	95.7	96.0	95.0	94.0	86.7
Total Responses	6				
Grading	Range				
[1]Low	0-50				
[2]Moderate	51-75				
[3]Good	76-90				
[4]Best	91-95				
[5]Excellent	96-100				
				Dr.D D Chaudhary	
				HOD(E&TC)	

Mechanism of internal assessment

Notice for UT1/Prelim Exam



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Department Information Technology.

UNIT TEST-I Schedule Sem-I A.Y.2020-21

Date: - 26/09/2020

All students are hereby informed that the Unit Test-I schedule is as follows. Check carefully below schedule and points mentioned and do accordingly.

Day & Date	S.E.	T.E.	B.E.
Monday, 28/9/2020	DM	TOC	ICS
Tuesday, 29/9/2020	LDCO	DBMS	MLA
Wednesday, 30/9/2020	DSA	SEPM	SDM
Thursday, 1/10/2020	OOP	OS	ELECTIVE-I
Saturday, 3/10/2020	BCN	HCI	ELECTIVE-II

Note: -

- 1) Question paper pattern strictly as per SPPU INSEM(S.E.2019:First two units 30 marks, T.E. 2015 & B.E.2015 :- First Three Units 30 marks)
- 2) Attendance in UT- I Compulsory, Prepare & score for good TW marks.
- 3) Daily 2 hours will be allotted from 10:30am to 12:30am for UT-I.
10:30 am to 11:30am Subject Discussion
11:30am to 12:30pm Paper Writing
12:30pm to 1pm Test paper submission in .pdf format

Prof. Pallavi Ahire
Exam Coordinator

Prof.R.S. Badodekar
HOD IT

Prelim Schedule Sem-I A.Y.2020-21

Date: - 4/11/2020

All students are hereby informed that the Prelim schedule is as follows. Read carefully all the points mentioned below.

Day & Date	S.E.	T.E.	B.E.
Monday, 23/11/2020	DM	TOC	ICS
Tuesday, 24/11/2020	LDCO	DBMS	MLA
Wednesday, 25/11/2020	DSA	SEPM	SDM
Thursday, 26/11/2020	OOP	OS	ELECTIVE-I
Saturday, 27/11/2020	BCN	HCI	ELECTIVE-II

Note: -

1. Daily 9am to 10am there will be MCQ based prelim exam on all 6 Units on Microsoft Teams Platform. Per unit there will be 10 MCQ's. You need to solve any 50.
2. Subject teachers will give MCQ question bank along with correct answers upto 12/11/2020. Subject teachers will prepare 30 MCQ per unit.
3. From 10:30am to 1pm there will be Question based Prelim as per SPPU End Sem Paper. At 10:30, subject teacher will send paper on subject group. Upto 1:30pm students can submit scanned answer sheet on the link provided by subject teacher.
4. Handwriting and scanned quality should be readable. Write all the necessary details on first page of your answer book.
5. Total marks for Prelim will be (50+70) and would be considered in final TW exam.
6. It is mandatory for students to appear for all subjects.



Prof. Pallavi Ahire
Exam Coordinator



Prof.R.S. Badodekar
HOD IT

3. Question Paper



SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
DEPARTMENT OF INFORMATION TECHNOLOGY
UNIT TEST-I S.E. (IT)

LOGIC DESIGN & COMPUTER ORGANIZATION

SET A

Time:
Day: TUESDAY

[Marks: 30]
[Date: 29/09/2020]

Instructions to the candidates:

- 1) Answer question 1 or 2, 3 or 4, 5 or 6
- 2) Figure to the right indicate full marks.
- 3) Assume suitable data, if necessary.

Q.1a	Perform following arithmetic operation using 2's complement representation: -5+8, 5+8, 5-8, -5-8	06M
Q.1b	What is wired ANDing? Why it is not possible with totem pole output?	04M
OR		
Q. 2a	Draw and explain working of CMOS inverter.	06M
Q.2b	What do you mean by sign magnitude representation of a number? Represent numbers (9) and (-9) using sign magnitude, 1's complement and 2's complement form.	04M
Q.3a	What do you mean by open collector output? Explain with suitable circuit diagram.	06M
Q.3b	Design and implement 8:1 MUX using 4:1 MUX only.	04M
OR		
Q.4a	Minimize the Expressions Using K-Map and implement using basic gates. i) $F(A,B,C,D)=\sum m(1,5,6,12,13,14) + d(2,4)$	04M
Q.4b	Implement the following Boolean function using single 8:1 multiplexer, $F(A,B,C,D)=\sum m(1,4,6,9,13)$	06M
Q. 5a	Design 4 bit BCD adder using IC 7483	06M
Q.5b	Draw Truth Table, Logic equation and Logic diagram of 4:1 MUX.	04M
OR		
Q. 6a	Implement following expression using IC 74138. i) $F(A,B,C)=\sum m(0,1,6,7)$	04M
Q.6b	State advantages of using Full subtractor over Half subtractor? Draw FS using HS?	06M



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Department of Computer Engineering

Sample Answer Sheet

SEIT01: Dixit
Deepa
Page no: ①

Q.20) Draw and explain working of CMOS inverter.

①:- The basic CMOS logic circuit is an inverter shows in figure (a). For this circuit the logic levels are 0V (logic 0) and V_{CC} (logic 1).

②:- When $V_i = V_{CC}$, T_1 turns ON and T_2 turns OFF. Therefore $V_o = 0V$, and since the transistors are connected in series the current I_D is very small. On the other hand, when $V_i = 0V$, T_1 turns OFF and T_2 turns ON giving an output voltage $V_o \approx V_{CC}$ and I_D is again very small.

③:- In either logic state, T_1 or T_2 is OFF & the quiescent power dissipation which is the product of the OFF leakage current and V_{CC} is very low. More complex functions can be realised by combinations of inverters.

Fig:- CMOS Inverter.

Scanned with CamScanner

SEIT01
SEIT 01 : Dixit Deepa
Page no: ②

④:- A complementary MOSFET (CMOS) is obtained by connecting a p-channel and n-channel MOSFET in series, with drains tied together and the output is taken at the common drain point.

⑤:- Input is applied at the common gate connection formed by connecting the two gates together.

Q.2b) Signed Magnitude representation:-

→ In the decimal number system a plus (+) sign is used to denote a positive number and minus (-) sign for denoting a negative number. The plus sign is usually dropped, and the absence of any sign means that the number has positive value. This representation of numbers is known as signed number.

Decimal number	Signed magnitude	one's complement	Two's complement
+9	00001001	1110110	1110111
-9	10001001	0110110	0110111

Q3] What do you mean by Open collector output? Explain a) with suitable diagram.

→ ① One problem with totem pole output is that two outputs cannot be tied together.

② See the fig. (a), where the totem pole outputs of 2 separate gates are connected together at point X.

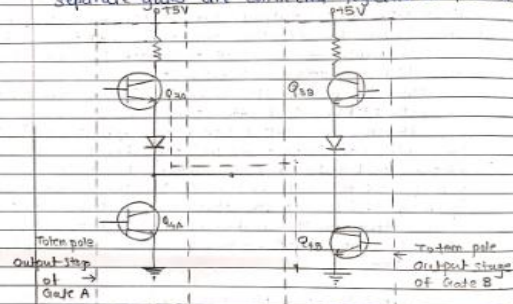


fig. (a) Totem pole output tied together can produce harmful current.

Suppose
③ Suppose that the output of gate A is high (Q_{3A} ON and Q_{4A} OFF) and the output of gate B is low (Q_{3B} OFF and Q_{4B} ON). In this situation transistor Q_{4B} acts as load for Q_{3A} .

④ Since Q_{4B} is a low resistance load, it draws high current around 50mA. The current might not damage Q_{3A} or Q_{4B} immediately, but over a

period of time can cause overheating & deterioration in performance and eventual device failure.

⑤ Some TTL devices provide another type of output called open collector output. The outputs of two different gates with open collector output can be tied together. This is known as wired logic.

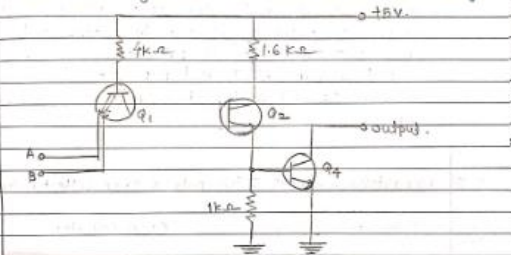
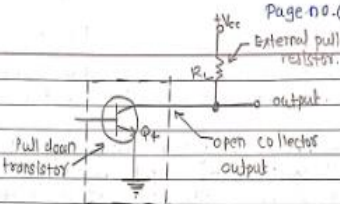


fig. (a) Open collector 2-input TTL NAND gate.

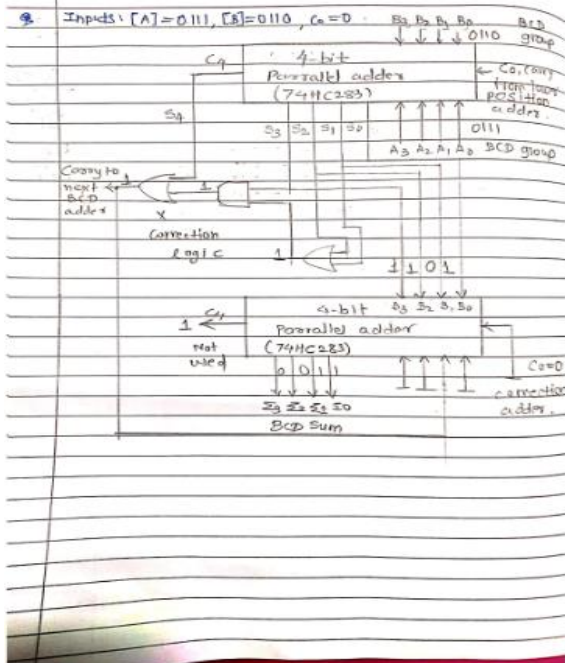
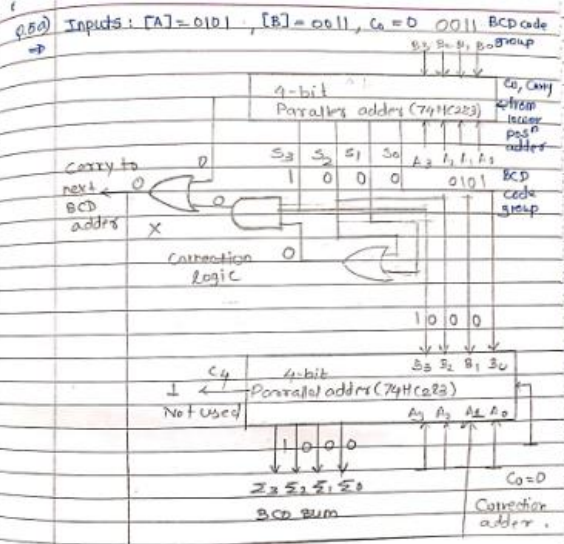
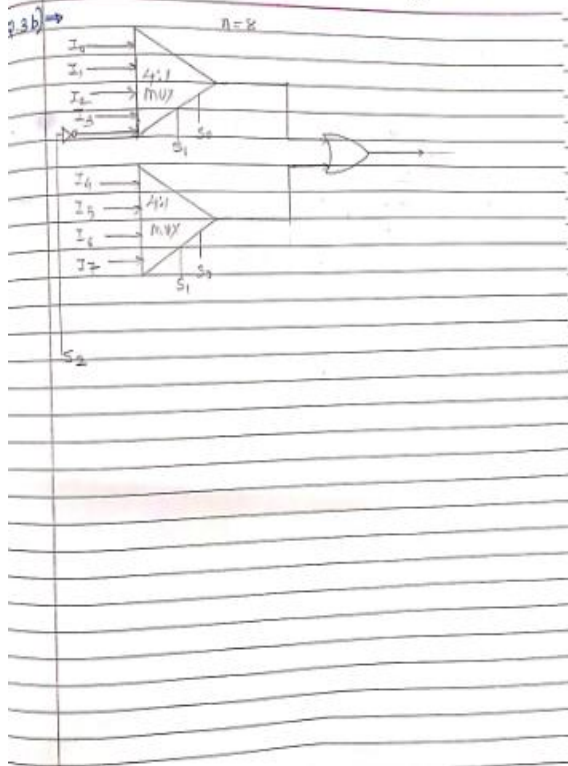
⑥ Fig. (a), shows a 2-input NAND gate with an open-collector output. The output eliminates the pull-up transistor Q_3 , D_1 & R_4 . The output is taken from the open collector terminal of transistor Q_4 .

⑦ Because the collector of Q_4 is open, a gate like this will not work properly until you connect an external pull-up resistor as shown in fig. (b).

⑧ When Q_4 is ON, output is low & when Q_4 is off output is tied to V_{CC} through an external pull up resistor.



⑨ As mentioned earlier, the open collector outputs of two or more gates can be connected together, as shown in the fig. (a). The connection is called a wired-AND and represented schematically by the special AND gate symbol as shown in fig. (b).



Q.5b) Logical diagram of 4:1 MUX \rightarrow

Truth Table for 4:1 MUX \rightarrow

I_0	I_1	I_2	I_3	S_1	S_0	Y
d_0	d_1	d_2	d_3	0	0	d_0
d_0	d_1	d_2	d_3	0	1	d_1
d_0	d_1	d_2	d_3	1	0	d_2
d_0	d_1	d_2	d_3	1	1	d_3

Logical equation for 4:1 MUX \rightarrow

$$Y = d_0 \bar{S}_1 \bar{S}_0 + d_1 \bar{S}_1 S_0 + d_2 S_1 \bar{S}_0 + d_3 S_1 S_0$$

Fig: Logical diagram of 4:1 MUX



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 Gat No. 309/310 , Kusgaon (Bk), off Mumbai –Pune, Expressway.

Lonavala, Pune, 410401, Website : www.sinhgad.edu

Department of Computer Engineering

TW Assessment Sheet


ASSIGNMENTS							
SE IT		Subject :LDCO					
R No.	Name of Students	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
		Assignm ent 1 (10)	Assignme nt 2 (10)	Assignm ent 3 (10)	Assign ment 4 (10)	Assign ment 5 (10)	Assign ment 6 (10)
SI01	DIXIT DEEPA MAHENDRA	10	10	10	10	10	10
SI02	GAGARE UDDHAV ROHIDAS	10	10	8	10	10	10
SI03	HELGE TEJAS MADHAV	10	10	10	10	10	10
SI04	JOSHI ANAND SANJAY	10	8	10	10	8	10
SI05	KALE PAVAN NANDKISHOR	10	8	10	9	9	10
SI06	KATKHEDE JAGRUTI VIJAY	10	8	10	10	10	10
SI07	KHAMBALE PALLAVI BABURAO	10	10	10	10	10	10
SI08	MOTGHARE ADHIR DEVANAND	0	0	0	0	0	0
SI09	PATEL ALIM BILAL	10	10	10	10	10	10
SI10	PATIL AAKASH SUNIL	10	10	10	10	10	10
SI11	PATIL VAISHNAVI NAGNATH	10	10	10	10	10	10
SI12	RAHUL DATTATRAYA DHEPE	10	10	10	9	10	10
SI13	RISHAV RAJ	0	0	0	0	0	0
SI14	SHINDE RUTURAJ BHAUSAHEB	10	10	10	10	10	10
SI15	THANGE VISHAL BHAUSAHEB	10	10	10	10	10	10
SI16	BHADKUMBE SHUBHAM BALU	10	8	8	10	10	10
SI17	BHOKARE KUNAL SANJAY	10	10	10	10	10	10
SI19	DEVADHE SIDDHI SANJAY	10	10	9	10	10	10
SI20	KATKAR GAURAV GANESH	10	10	10	10	10	19
SI21	PATEL HIMANSHU RAJESH	10	10	10	10	10	10
SI24	SUSHANT ASHOK BAGUL	10	8	10	10	9	10
SI25	TAMBE SHUBHAM NAMDEV	10	10	10	10	10	10
SI26	VIJAY BALASAHEB MOHALKAR	10	10	10	10	10	10
SI27	AMATE ABHAY ANNASAHEB	10	10	9	10	10	10
SI28	GHODKE ROHIT DAULATRAO	10	8	10	9	9	10
SI29	PHAPALE ABHISHEK BALASAHEB	10	10	10	9	9	10
SI30	RASKAR DISHA ANIL	10	10	10	10	9	10
SI31	RATHOD VINOD SAKHARAM	10	10	10	9	10	10
SI33	SHAM GOPAL PATIL	10	10	10	10	10	10
SI34	AALEIN KUWARI	10	10	10	10	10	10
SI35	AGHAO SWAPNIL ANKUSH	0	0	0	0	0	0
SI36	HARISHCHANDRE AKASH PRADIP	8	10	10	10	10	10
SI37	KADAM PIYUHA SHRIKANT	10	10	10	9	10	10

SI38	LANJEWAR MOHIT GULABRAO	10	10	10	10	10	10
SI39	PAREKH HARSH SUNIL	8	10	10	10	10	10
SI40	SHINDE DIPAK BALASHAEB	10	10	9	10	10	10
SI41	Virkar Tejas Subhash	10	10	10	10	9	10
SI42	BHOPLA VAIBHAV RAMESH	10	10	10	9	10	10
SI44	PIYUSH PATE	8	8	8	8	8	8
SI45	SANKET RAMESH SHINDE	8	8	8	8	8	8
SI46	SHEWALE VAIBHAV SANJAY	8	8	8	8	8	9
SI47	SHINDE KOMAL NITIN	10	10	10	9	9	10
SI48	SHINDE PRASHANT ISHWAR	10	8	10	8	9	10
SI49	SINGANJUDE SHREYASH SHRAWAN	10	8	10	8	8	9
SI50	TAKLE GAURAV DADABHAU	8	8	8	0	8	8
SI51	TEJAS MOHAN PURI	10	10	10	10	10	10
SI52	WAGHMARE ANNARAO DURYODHAN	10	10	10	8	10	10
SI53	SHAIKH ZUBER LIYAKAT(YD)	10	10	10	9	9	10
SI54	SALVE MANSI RAVAN(YD)	10	9	10	9	9	10
SI55	ABHAY KUMAR(YD)	0	0	0	0	0	0
SI56	CHAVAN PRIYANKA SHIVAJI(YD)	9	10	10	10	10	10
SI57	KALE NIRANJAN DATTATRAYA(YD)	9	10	9	9	10	10


MOCK ORAL		
SE IT Subject :LDCO		
R No.	Name of Students	10
SI01	DIXIT DEEPA MAHENDRA	10
SI02	GAGARE UDDHAV ROHIDAS	9
SI03	HELGE TEJAS MADHAV	9
SI04	JOSHI ANAND SANJAY	10
SI05	KALE PAVAN NANDKISHOR	10
SI06	KATKHEDE JAGRUTI VIJAY	10
SI07	KHAMBALE PALLAVI BABURAO	10
SI08	MOTGHARE ADHIR DEVANAND	0
SI09	PATEL ALIM BILAL	10
SI10	PATIL AAKASH SUNIL	10
SI11	PATIL VAISHNAVI NAGNATH	10
SI12	RAHUL DATTATRAYA DHEPE	10
SI13	RISHAV RAJ	0
SI14	SHINDE RUTURAJ BHAUSAHEB	10
SI15	THANGE VISHAL BHAUSAHEB	9
SI16	BHADKUMBE SHUBHAM BALU	8
SI17	BHOKARE KUNAL SANJAY	10
SI19	DEVADHE SIDDHI SANJAY	10
SI20	KATKAR GAURAV GANESH	10
SI21	PATEL HIMANSHU RAJESH	10
SI24	SUSHANT ASHOK BAGUL	10
SI25	TAMBE SHUBHAM NAMDEV	10
SI26	VIJAY BALASAHEB MOHALKAR	10

SI27	AMATE ABHAY ANNASAHEB	8
SI28	GHODKE ROHIT DAULATRAO	10
SI29	PHAPALE ABHISHEK BALASAHEB	10
SI30	RASKAR DISHA ANIL	9
SI31	RATHOD VINOD SAKHARAM	10
SI33	SHAM GOPAL PATIL	10
SI34	AALEIN KUWARI	9
SI35	AGHAO SWAPNIL ANKUSH	0
SI36	HARISHCHANDRE AKASH PRADIP	10
SI37	KADAM PIYUHA SHRIKANT	10
SI38	LANJEWAR MOHIT GULABRAO	10
SI39	PAREKH HARSH SUNIL	8
SI40	SHINDE DIPAK BALASHAEB	8
SI41	Virkar Tejas Subhash	10
SI42	BHOPLA VAIBHAV RAMESH	10
SI44	PIYUSH PATE	10
SI45	SANKET RAMESH SHINDE	9
SI46	SHEWALE VAIBHAV SANJAY	10
SI47	SHINDE KOMAL NITIN	10
SI48	SHINDE PRASHANT ISHWAR	10
SI49	SINGANJUDE SHREYASH SHRAWAN	10
SI50	TAKLE GAURAV DADABHAU	0
SI51	TEJAS MOHAN PURI	10
SI52	WAGHMARE ANNARAO DURYODHAN	10
SI53	SHAIKH ZUBER LIYAKAT(YD)	9
SI54	SALVE MANSI RAVAN(YD)	10
SI55	ABHAY KUMAR(YD)	0
SI56	CHAVAN PRIYANKA SHIVAJI(YD)	9
SI57	KALE NIRANJAN DATTATRAYA(YD)	9

Feedback of Faculty

 SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA INFORMATION TECHNOLOGY ENGG.DEPARTMENT Online Feedback For Teaching Learning SEM I Class:SE DSE (IT)					
SUBJECT	214441 Discrete Mathematics III	214442 Logic Design & Computer Organization	214443 Data Structures & Algorithms	214444 Object Oriented Programming	214445 Basics of Computer Networks
Parameters/Faculty	Prof.S.R.Borate	Prof. A. P. Kulkarni	Prof. K.S.Karnekar	Prof. C.M.Gaikwad	Prof.K.S.Mulani
[1] Voice Quality?	75.0	77.0	77.0	68.0	67.0
[2] Presentation on board (Writing/PPT)?	72.0	74.0	79.0	66.0	66.0
[3] Syllabus Coverage According to the Academic calendar?	75.0	76.0	76.0	71.0	70.0
[4] Subject Knowledge?	78.0	79.0	80.0	66.0	68.0
[5] Communication skill ?	74.0	78.0	78.0	67.0	71.0
[6] Interaction with students?	75.0	81.0	78.0	66.0	68.0
[7]Quality of study material (PPT/Notes/QB)?	76.0	79.0	77.0	70.0	72.0
[8] Punctuality?	79.0	79.0	81.0	71.0	71.0
[9]Faculty Subject Preparation for Class?	75.0	78.0	79.0	69.0	71.0
[10]Quality of Lecture Attended?	76.0	80.0	80.0	69.0	71.0
Total Feedback in Percentage	74.9	78.1	78.5	68.3	69.5
Total Responses	17				
Grading	Range				
[1]Low	0-50				
[2]Moderate	51-75				
[3]Good	76-90				
[4]Best	91-95				
[5]Excellent	96-100				
				Prof. R.S.Badodekar	HOD(IT)




Prof.R.S. Badodekar
 HOD IT

EVALUATION PROCESS AND REFORMS

UNITTEST SCHEDULE SEM I



SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF TECHNOLOGY

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Lonavala, Pune, 410401, Website : www.sinhgad.edu

Department of Mechanical Engineering

UNIT TEST-I Schedule Sem-I A.Y.2020-21

Date:- 1/9/2020

Day & Date	S.E.	T.E.	B.E.
Monday, 28/9/2020	SM	HT	DOM
Tuesday, 29/9/2020	ET	MQC	CCA
Wednesday, 30/9/2020	EMM	DME-I	HP
Thursday, 1/10/2020	EEE	TOM-II	ELECTIVE-I
Saturday, 3/10/2020	SMD	TM/C	ELECTIVE-II

Note:-

- 1) Question paper pattern strictly as per SPPU INSEM (S.E. 2019 : First two units 30 marks, T.E. 2015 & B.E.2015 :- First Three Units 30 marks)
- 2) Attendance in UT- I Compulsory, Prepare & score for good TW marks.
- 3) As per SPPU guidelines attendance for online lectures, UT, Prelim performance, and submission of work given by teachers, assignments etc. will be considered for Internal Evaluation and marks will be allotted as per individual student performance.
- 4) Daily from 10 am to 11 am extra session as per schedule given
11 am to 12.30 UT –I (at 11 am respective subject teachers will send question paper on division whatsapp group, separate question paper for each division)
12.30 pm to 1 pm submission of scanned copy of answer sheet to respective subject teacher on mail.
2.30 pm regular online practical will be conducted
- 5) collection of notes, Previous SPPU INSEM Question papers, model answers, question bank from subject teachers is duty of students
- 6) Also ensure that Before UT-I at least 3 units syllabus is covered or fourth unit started as we will get only one month after UT-I .

7) Also remember that handwriting & scanning quality shall be readable. Write your Name, Roll no , Date, Name of subject on front page of the answer sheet .Use of graph papers, charts etc is permitted. Preserve answer sheets and submit to subject teachers when you report to college.



Prof.S.M.Gaikwad
HOD

SAMPLE TEST PAPER AND ANSWER SHEET, B.E MECH, HYDRAULICS AND PNEUMATICS, PROF. YOGINI.M. RAUT



**SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
DEPARTMENT OF MECHANICAL ENGINEERING
PRELIMINARY EXAMINATION B.E. (MECHANICAL)
HYDRAULICS AND PNEUMATICS**

Time: 10.30 am -1.00 pm]
Day: Wednesday]

[Marks: 70Marks
[Date: 25/11/2020

Instructions to Candidates

- 1) All questions are compulsory.
- 2) Neat diagrams must be drawn wherever necessary
- 3) Figures to the right indicate full marks
- 4) Use of Electronic pocket calculator is allowed.
- 5) Assume suitable data, if necessary.

		Attempt Any ONE From Q.1 and Q. 2.	Marks	CO	PO	BL
Q.1	a.	Draw the ISO symbols for following Hydraulic elements. i. Spring loaded accumulator ii. Sequence valve.	02	1	1	3
	b.	What do you mean by cushioning of cylinder? Explain with suitable diagram.	04	2	2	3
	c.	How control valves are classified? Explain pressure reducing valve along with neat sketch and symbol.	04	1	2	2
O R						
Q.2	a.	Differentiate between hydraulic accumulator and hydraulic intensifier.	02	1	1	1
	b.	A gear pump has an outside diameter of 82.6 mm, inside diameter of 57.2 mm and width of 25.4 mm. If the actual pump flow rate at 1800 RPM and at the rated pressure is 0.00183m ³ /s, What is the volumetric efficiency?	04	2	2	2
		How flow control valve works? Explain with neat sketch.	04	1	2	4
Attempt Any ONE from Q.3 and Q.4						
Q.3	a.	State various efficiencies of hydraulic pumps with their formulae.	02	1	1	1
	b.	What size of accumulator is necessary to supply 10000 cm ³ of oil in a hydraulic system of minimum pressure of 200 bar to 100 bar minimum. Assuming N ₂ gas with pre charged pressure of 80 bar find adiabatic & isothermal condition.	04	2	3	1
	c.	With neat sketch explain proportional valve.	04	1	2	3
O R						
Q.4	a.	The displacement of a pump operating at 1000 rpm at a pressure of 10 bar is 100 cm ³ , the input torque from the prime mover is 120 Nm. If it delivers 0.0015 m ³ /s of oil, determine, i. Overall efficiency of pump, ii. theoretical torque required to operate through pump, iii. Volumetric efficiency.	03	2	1	2



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Department of Mechanical Engineering

Sample Answer sheet

HP UNIT TEST (1)

NAME : ANAND YOGESH TIWARI
DIV : D
ROLLNO : BMD-35, D-35
SUB : HP
DATE : 30/9/20 PRN NO : 71824877F

Q.5] a) Pressure Compensated Flow Control Valve

Q.5] b) Ans :

i) Open Center Condition :

- Open center valves are used for following conditions

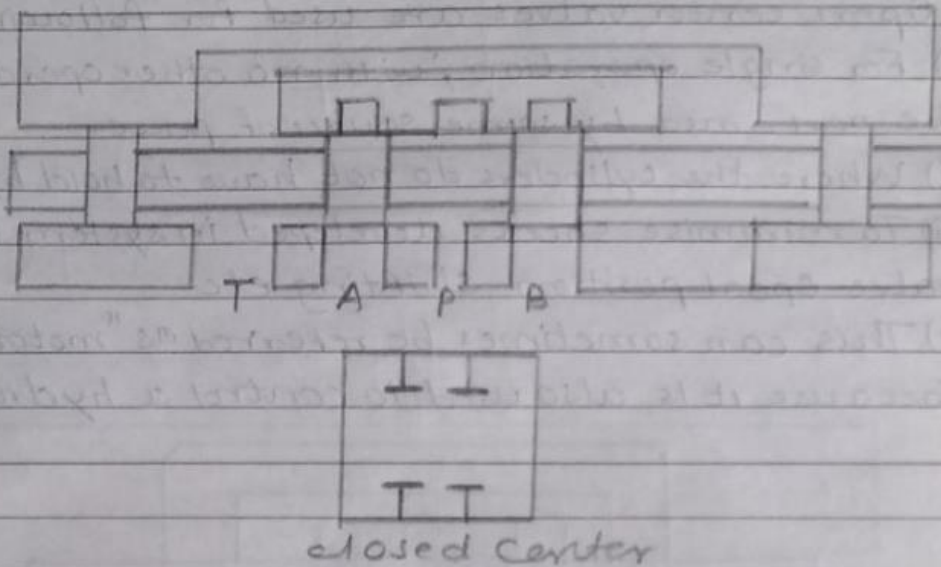
- For single operation, with no other operation is to be performed by same source of power.
- Where the cylinders do not have to hold by pressure
- To minimise shocks developed in system because of valve spool position shifting etc.
- This can sometimes be referred as "motor" spool because it is also used to control a hydraulic motor

Open Center

2) Closed Center

- Closed center valves are used in following situations

- i) Where 2 or more operations are performed by a single pump or an accumulator
- ii) To prevent loss of fluid from pump or the accumulator when spool crosses center
- iii) Center position allows no flow to the system from the pump



Q5 a) Classification of Control valves in Hydraulic circuit:

- Control valves in hydraulic circuits are as follows

- i) Pressure Control valves (To limit or regulate pressure, create a particular pressure condition required for control)

- Pressure relief valves (PRV)

a) Simple PRV

b) Compound PRV

TERM WORK ASSESSMENT SHEETS

Sinhgad Institute of Technology, Lonavala

Department of Mechanical Engineering

BE Mech. Div All: INSEM MARKSHEET Sem-I 2020 21

Sr. No	Exam Seat No	Roll No.	Name of Students	HP	CCA	DOM	ELECTIVE-I		ELECTIVE-II		
							FEA	HVAC	AE	OR	EAM
				30	30	30	30	30	30	30	30
1	B150420801	BMA01	ABHIMANYU NARAYAN GAIKWAD	24	27	30	25				19
2	B150420802	BMA64	ABHINAV ANAND	30	30	30	30				30
3	B150420803	BMC61	ABHISHEK KUMAR	25	18	21	11	14	10	20	19
4	B150420804	BMA02	ADITYA MUNDADA	30	30	30	30				30
5	B150420805	BMA03	ADMANE SAMIR PRASHANT	30	29	30	30		30		
6	B150420806	YD	PAVANKUMAR ADVANI (BACKLOG)		28						
7	B150420807	BMA04	AFROZ ALAM	30	30	26		24	30		
8	B150420808	BMA05	AGALAVE VAIBHAV SHAHAJI	30	30	27	30			30	
9	B150420809	BMA06	AGRAWAL SHUBHAM NARESH	29	27	30	30				23
10	B150420810	BMA07	AKHADE SANTOSH SAU	30	27	30	30		30		
11	B150420811	BMA08	ALANE AJAY GANESHRAO	30	28	30	30				22
12	B150420812	BMA09	AMBIKAR TEJAS NITIN	30	29	30	30		30		
13	B150420813	BMA10	AMUL PRAJAPATI	30	30	30	30			30	
14	B150420814	BMA11	ANGRE SHUBHAM SURESH	30	28	30	30			30	
15	B150420815	BMB60	ANSARI MOHD AFFAN ANSAR ALI	30	30	29		30		30	
16	B150420816	BMA12	ARYAN PRAVIN SISODYA	30	30	30	30			30	
17	B150420817	BMA13	ASHISH DHAKOL	30	30	30	30			30	

TERM WORK ASSESSMENT SE MECH SEM II, SUBJECT -PBL

SINHGAD TECHNICAL EDUCATION SOCIETY'S																
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA																
Department of Mechanical Engineering.																
SUBJECT WISE CUMMULATIVE INFORMATION SHEET																
CLASS :- SE		Subject : Project Based Learning - II(202052)					Mark :- 50									
Sr.No	ROLL NO	EXAM SEAT NO.	NAME OF STUDENT	ATTENDANCE		INSEM EXAM		CA/ MOCK	Total marks	1st Class in Last Sem	TOTAL MARKS	FINAL MARKS	plus 3	Passing	Grand final	
				%	Marks	Final Marks	Marks	Final Marks								Marks
				OUT OF	25	25	30	15	10	50	5	55.00	50	50	50	50
1	SMA07	S190420801	ADHE AJAY PREMCHAND	0.00	12.5		0.00		13		13	13	13	20	20	
2	SMA24	S190420802	AJINKYA BABASAHEB ANDHALE	0.00	12.5		0.00		13	5	18	18	18	20	20	
3	SMB01	S190420803	AMBATKAR ATUL RAMAKANT	0.00	12.5		0.00		13	5	18	18	18	20	20	
4	SMA01	S190420804	BHARTI VISHAL SURENDRA	0.00	12.5		0.00		13	5	18	18	18	20	20	
5	SMB03	S190420805	BHOSALE GOURAV GAJENDRA	0.00	12.5		0.00		13	5	18	18	18	20	20	
6	SMA18	S190420806	BINZADE AKSHAY PRABHUDAS	0.00	12.5		0.00		13		13	13	13	20	20	
7	SMA02	S190420807	CHAUDHARI RUPESH SANJAY	0.00	12.5		0.00		13	5	18	18	18	20	20	
8	SMA17	S190420808	DESHMUKH RUSHIKESH ANIL	0.00	12.5		0.00		13	5	18	18	18	20	20	
9	SMA15	S190420809	DHANESHWAR BHAGESHWAR DHURVE	0.00	12.5		0.00		13	5	18	18	18	20	20	
10	SMA13	S190420810	GHOGARE BALAJI KISHANRAO	0.00	12.5		0.00		13	5	18	18	18	20	20	

FEEDBACK OF FACULTY AND IMPROVEMENTS

SEM I – FACULTY FEEDBACK

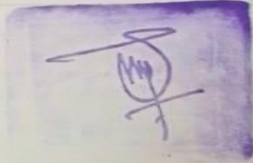
SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
MECHANICAL ENGG. DEPARTMENT

Online Feedback For Teaching Learning

SUBJECT	Class: SE. A (Mechanically)				
	Engineering Thermodynamics	Engineering Materials And	Solid Mechanics	Electrical And Electronics	Solid Modeling And Drafting
Parameters/Faculty	Prof. R. S. Patil	Prof. P. E. Lokhande	Prof. S.V. Chavan	Prof. D. B. Patil	Prof. N.S. Hirulkar
[1] Voice Quality?	91.4	82.9	95.2	89.5	94.3
[2] Presentation on board (Writing/PPT)?	93.3	85.7	91.4	91.4	89.5
[3] Syllabus Coverage According to the Academic calendar?	94.3	89.5	97.1	92.4	96.2
[4] Subject Knowledge?	98.1	93.3	98.1	91.4	95.2
[5] Communication skill ?	92.4	77.1	97.1	92.4	92.4
[6] Interaction with students?	93.3	75.2	95.2	87.6	95.2
[7] Quality of study material (PPT/Notes/QB)?	92.4	88.6	97.1	88.6	93.3
[8] Punctuality?	94.3	87.6	94.3	94.3	93.3
[9] Faculty Subject Preparation for Class?	95.2	91.4	96.2	89.5	94.3
[10] Quality of Lecture Attended?	94.3	88.6	98.1	87.6	91.4
Total Feedback in Percentage	93.9	86.0	96.0	90.5	93.5


Total Responses	21
-----------------	----


Grading	Range
[1] Low	0-50
[2] Moderate	51-75
[3] Good	76-90
[4] Best	91-95
[5] Excellent	96-100



HEAD
Dept. of Mechanical Engineering
S.f.T., Lonavla-410 401.

Prof. S.M. Gaikwad
HOD(MECH)





SEM II – FACULTY FEEDBACK



SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
MECHANICAL ENGG. DEPARTMENT

SUBJECT	Online Feedback For Teaching Learning					BE D (MECH)		
	Hydraulics and Pneumatics	CAD/CAM Automation	Dynamics of Machinery	Finite Element Analysis (Elective I)	Heating Ventilation and Air Conditioning (Elective II)	Automobile Engineering (Elective III)	Operation Research (Elective III)	Energy Audit and Management (Elective IV)
Parameters/Faculty	Prof. Y. M. Raut	Prof. S. R. Meshram	Prof. S. B. Bhojwar	Prof. Swapnil S. Shinde	Dr. M. M. Tayde	Prof. S. S. Mathapati	Prof. Y. M. Raut	Prof. P. D. Kulkarni
[1] Voice Quality?	89.1	80.0	73.6	90.5	95.0	81.1	97.8	72.5
[2] Presentation on board (Writing/PPT)?	90.9	76.4	82.7	94.7	92.5	84.7	68.9	72.5
[3] Syllabus Coverage According to the Academic calendar?	90.9	85.4	87.3	89.4	87.5	83.5	82.1	95.0
[4] Subject Knowledge?	92.7	85.4	89.1	90.5	110.0	95.3	77.8	77.5
[5] Communication skill?	94.5	73.6	82.7	92.6	87.5	80.0	86.7	70.0
[6] Interaction with students?	94.5	75.4	83.6	90.5	80.0	72.9	88.9	57.5
[7] Quality of study material (PPT/Notes/QB)?	92.7	80.0	87.3	91.5	100.0	80.0	95.5	57.5
[8] Punctuality?	94.5	82.7	87.3	94.7	80.0	81.1	80.0	65.0
[9] Faculty Subject Preparation for Class?	91.8	75.4	86.4	95.7	87.5	82.3	75.5	77.5
[10] Quality of Lecture Attended?	89.1	81.8	81.8	87.3	80.0	81.1	68.9	72.5
Total Feedback in Percentage	92.1	79.6	84.2	91.7	90.0	82.2	84.2	71.8

Total Responses	22	22	22	19	8	17	9	8
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Grading	Range
[1] Low	0-50
[2] Moderate	51-75
[3] Good	76-90
[4] Best	91-95
[5] Excellent	96-100

HEAD
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HOD (MECH)

