2.5.1

Mechanism of Internal assessment is transparent and robust in term of frequency and mode

- Question paper setting
- Conduction
- Assessment
- Result Declaration



Frequency of Internal Examination followed as per the Academic Calendar

Academic Calendar

· 纖	_						Shri Vi	ithal E	ducati	on and	! Resea	ırch In	stitute	's							Ac	ademi	c Caler	ıdar							
SVER	Ì						Co	llege (of Engi	neerin	g, Pan	dharp	ur								Semes	ter II	4.Y. 20	21-202	22						
MAD	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	26	27	28	29	30	31
MAR 2022	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU
TY and BE	F1							FN1														F2	SCM						ARCM		
APR	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	26	27	28	29	30	
2022	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	
TY and BE		F3			GRM			MP/SC		F4				FN2 / SV/F5	F6		IV	IV			MP/SC				ISE-I	ISE-I	ISE-I	ISE-I	ISE-I	LT	
FY and SY						1				1	ı	ı		ı		Sem Start															
MAY	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	26	27	28	29	30	31
2022	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE
TY and BE	F7	LT	F8	LT	LT	LT/R			MP/SC		RSHM			MP/SC		F9			SCM			PM	MP/SC		UGP	UGP				UGS	
FY and SY	F7		F8								RSHM					F9			SCM			PM	ISE-I	ISE-I	ISE-I	ISE-I	ISE-I	LT		LT	LT
JUN	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	26	27	28	29	30	
2022	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	
TY and BE		D		SC									ISE-II	ISE-II	ISE-II	ISE-II	ISE-II	LT		LT	LT	LT	LT/R				10	PG	PG	PG	
FY and SY	LT	LT/R																													
JUL	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	26	27	28	29	30	31
2022	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
TY and BE	PG	PG		UE	UE	UE	UE	UE	F10	F10/ F11	F10	UE	UE	UE	UE	UE		UE	UE	UE	UE	UE	UE		R&D	R&D	R&D	R&D	R&D	R&D	
FY and SY									F10	F10/ F11	F10	ISE-II	ISE-II	ISE-II	ISE-II	ISE-II					D		SC		10	PG	PG	PG	UE	UE	

Date	Symbol	SEMESTER-II for TY &BE students (March 2022 to June.2022) *Consider the same pattern with different dates for FY and SY students
10th Mar to 10th Jun		Teaching Period
As per schedule		Weekly Off /Festival
1st Mar	F1	Mahashivratri
2nd Mar to 9th Mar		Certificate/Add-on Course (TY and BE student)
8th Mar	FN1	International Womens' Day
22nd Mar	F2	Rang Panchami
23rd Mar	SCM	Students' Council Meeting
29th Mar	ARCM	Anti- Ragging Committee Meeting
2nd Apr	F3	Gudhi Padwa
5th Apr	GRM	Grievance Redressal Meeting
8th Apr	MP/SC	Mock- Parliament / Mock Security Council (MECH Dept.)
10th Apr	F4	Ram Navami
14th Apr	FN2	Dr. Babasaheb Ambedkar Birth Anniversary & Annual Prize Distribution
14th Apr	SV	SVERIAN Quarterly Issue Release Day
14th Apr	F5	Mahaveer Jayanti
15th Apr	F6	Good Friday
17th to 18th Apr	IV	Industrial Visit
21st Apr	MP/SC	Mock- Parliament / Mock Security Council (CIVIL Dept.)
25th to 29th Apr	ISE-I /R	ISE- I (Result on 5th Day after last paper)
30th Apr to 6th May	LT	Lab Test on Practical session after ISE of the concerned subject
1st May	F 7	Maharashtra Din
3rd May	F8	Ramjan Eid
9th May	MP/SC	Mock- Parliament / Mock Security Council (ENTC Dept.)
11th May	RSHM	Restriction of Sexual Harassment Meeting
14th May	MP/SC	Mock- Parliament / Mock Security Council (ELE Dept.)
16th May	F9	Buddha Pournima
19th May	SCM	Students' Council Meeting
22nd May	PM	Parents' Meet For FE, MECH & ENTC.
23rd May	MP/SC	Mock- Parliament / Mock Security Council (CSE Dept.)
25th to 26th May	UGP	Internal Presentation of B.E. Project
30th May	UGS	B.E. Project Submission
2nd Jun	D	Display of Defaulters List and Letters to Parents Accordingly
4th Jun	SC	Syllabus Completion
13th to 17th Jun	ISE-II /R	ISE- III (Result on 5th Day after last paper)
18th to 23rd Jun	LT	Lab Test on 1st Practical session after ISE of the concerned subject
27th Jun	IO	Internal Oral and Term Work submission/ Displaying of Marks
28th Jun to 2nd Jul	P.G	Preparation and Guidance Sessions
4th Jul to 23rd Jul	U.E	Tentative Period for University Examination
9th to 11th Jul	F10/F11	Ashadhi Ekadashi/Bakari Eid
25th Jul to 30th Jul	R&D	STTP/Conference/Workshop/Seminar /National Conference/Dept.Workshop

Dr. B. P. Ronge PRINCIPAL

In Semester Examination (ISE) Question paper setting



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

COLLEGE OF ENGINEERING, PANDHARPUR



P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)
Tel.: 02186-216063, 9503103757, E-mail: coe@sveri.ac.in, Website: www.sveri.ac.in
(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)
NBA Accredited all Eligible UG Programmes and, NAAC A+, Accredited Institute,
Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute

Date: 28/05/2022

Office order

The following faculty members of our department are entrusted the duties for reviewing the In-Semester Exam (ISE) Question papers for the Second semester of academic year 2021-22.

Sr. No.	Class	Subject	Name of Question Paper Setter	Name of Reviewer
1		PP & EL	Mr. A.K.Parkhe	/Mrs. P. K. Patil
2		FM & FM	Mr. S. R. Gavali	Mr. S. M. Kale
3	S.Y.	EM-III	Mrs. S. R. Zadbuke	Dr. H. H. Pawar
4	5.1.	K-TOM	Mr. S. Y. Salunkhe	Dr. B. R. Gidde
5		MT	Mr. P. B. Asabe	Dr. S. B. Bhosale
6		IAE	Dr. S. V. Jadhav	Dr. R. R. Gidde

Dept of Mechanical Engr

To make effective implementation of the question paper reviewing work following Committee is constituted for the smooth functioning.

Sr. No.	Name of Member	Designation
1	Dr. S. B. Bhosale	Chairman
2	Prof. S. N. More	Coordinator S.YA
3	Prof. P. B. Asabe	Coordinator S.YB
4	Prof. A. A. Shinde	Coordinator T.YA
5	Prof. S. Y. Salunkhe	Coordinator T.YB
6	Prof. S. M. Kale	Coordinator L.YA
7	Prof. K. S. Pukale	Coordinator L.YB

All are requested to take note of same and act accordingly.

(Dr. S(S. Wangikar)

HOD, Mech. Engg. Dept.

HEAD,
Dept. of Mechanical Enga
C.O.E Pandharpur

SVERI's College of Engineering, Pandharpur S.Y. B.Tech (Mechanical) ISE-1 Academic Year: 2021-22 Subject: Power Plant and Energy Engineering

Div: A

Day and Date: Monday & 06/06/2022

Time: 10.00 am - 11.30 am

Marks - 20

Duration-1:30 Hours

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
COI	Describe Effective use of available Energy Sources and their role in power development in India	BL2	06
CO 2	Explain various Power Plants and illustrate the effect of variable loads and load factors on Power Plants.	BL3	08
CO 4	Explain various methods of Economic analysis of power plants and explain various factors for selection of power stations.	BL2	06

Instructions - 1) All questions are compulsory.

II) Assume suitable data if required.

Q. 1	MCQ's/obj	jectives type	e questions.				02 M	Related CO & BL	PI
F.	Which of th	e following b) Wild			urce?) Forests		01		
2.	NPCIL stan a) National b) Nuclear	ds for Power Corp Power Corp Public Corp	ooration of I oration of In ooration of I	dia Limited ndia Limited	i		01	CO 1	1.3.1
Q. 2	MCO's/obi	ectives type	e questions.				02 M		
1.	The unvary plant, is call	ing load, wl	n the power se load	01	CO 2	1.3.1			
2.	a) Discrete Which of th a) Hydroele c) Diesel ele	e following etric power	01						
Q. 3	Give the cla	ssification o	04 M	CO 1 BL 2	1.3.1				
Q.4	Define Varia Plant Design	able Load? 1 1 & Operation		CO 2					
	Time (Hr.)	0 - 6	6 - 12	12 - 14	14 - 18	18 - 24	06 M	BL 3	1.3.1
	Load (MW)	35	90	65	100	50			
	Draw the Le Factor, Plant	Capacity F	actor, if plan	it capacity is	5 140 MW.				
Q.5	What is De Depreciation	preciation	06 M	CO 3 BL 2	2.1.3				



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Department of Mechanical Engineering Question Paper Reviewing Report

Class: S. Y.B. Tech Div: A

Test: ISE-T

Academic Year: 2022-23

Name of subject teacher: Mr. A. K. Powlike,

Name of Reviewer: - [trus, P. K. Pals]

A

Sr. No.	Recommended/Not Recommended	If not recommended comments of reviewer	Sign of Reviewer
0	Recommedia	ox	Janus

HOD Remark: Bl

> (Dr. S. S. Wangikar) HOD Mech. Engg. Dept.

Dept. of Mechanical Enga C.O.E. Pandharos

Conduction of In Semester Examination (ISE)

- Circular
- Notice
- Time Table
- Seating Arrangement
- Supervision Duty Sheet

Circular



Shri Vithal Education & Research Institute's

P.B.No. 54, Gopalpur - Ranjani Road, Gopalpur, Pandharpur - 413 304, Dist. Solapur (Maharashtra) Tel.: 7755990201.

Toll Free No.: 1800-3000-4131, E-mail: coe@sveri.ac.in, Website: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur) Accredited by The Indian Institution of Engineers (India), Kolkata and TCS, Pune. ISO 9001:2008 Certified Institute



Ref .: - COPPP 2017-18/ Cid 67 (A) Circular

Date: 03/01/2018

All the Students and Staff are hereby informed to note that the policy in respect of In Semester Examination (ISE) marks has been modified through the resolution in Students' Council meeting dated 12/10/2017. The modified policy is as given below:

- 1) If student passes in all the three ISEs of the Subject (Course) then the average of the best of two ISEs be considered for finalising ISE marks of that Subject (Course) for sending to University.
- 2) If student fails in one or more ISEs of Subject (Course) then the average of all the three ISEs is to be considered for finalising ISE marks of that subject for sending to University.
- 3) Student failing in or remaining absent for Subject(s)[(Course)(s)] in ISE(s) or willing to improve the performance in one or more Subject(s)[(Course)(s)] ,at his/her choice may opt for Re-ISE(s), within five days from the date of declaration of the concerned ISE result, once for each Subject (Course) by paying charges of Rs.300/- per Subject (Course) of ISE.
- 4) This policy be reflected in every notice of ISE henceforth.
- 5) This circular be part of Subject file under A2 as per Circular no.SVERI/2010-11/CIR/85 (A) dated 01/01/2011, along with other relevant circulars.

The policy shall come into force from Semester -II of the Academic Year 2017-18. All the concerned should take note of the above and act accordingly.

> (Dr.B.P.Ronge) PRINCIPAL

C.C.:

5) FTP

1) All Deans

2) All HODS: For

effective circulation

6) Office Copy

3) All Subject (Course) Teachers

7) Office Copy

4) College Notice Boards

8) Hostel Notice Board



Shri Vithal Education & Res Revised Circular





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Ref .: COBPRIZO18-19/ (18/7-16)

Date: 25/01/2019

Revised Circular

All the Students and Staff are hereby informed to note that the policy in respect of In Semester Examination (ISE) has been revised through the resolution in Students' Council meeting dated 24/01/2019. The revised policy is as given below:

- 1) If student passes in all the three ISEs in a Subject (Course) then the average of the best of two ISEs be considered for finalising ISE mark of that subject (Course) for sending to University.
- 2) Student failing in or remaining absent for Subject(s) [(Course)s] in ISE(s) has to compulsory appear for Re-ISE(s), once for each Subject (course) by paying charges of Rs.100/- per Subject (Course) of ISE, as per the schedule decided by department.
- 3) Student clear pass in ISE, but willing to improve the performance in one or more Subject (s) [(Course)s] at his /her choice may opt for RE-ISE(s), once for each subject (Course) by paying charge of Rs. 100/- per subject (course) of ISE, as per the schedule decided by department.
- 4) If student fails in one or more ISEs of Subject (Course) then the average of all the three ISEs is to be considered for finalising ISE marks of that subject for sending to University.
- 5) This policy be reflected in every notice of ISE henceforth.
- 6) This circular be part of Subject file under A2 as per Circular no. SVERI/2010-11/CIR/85 (A) dated 01/01/2011, along with other relevant circulars.
- 7) The earlier circular in this respect No. COEPR/2017-18/Cir/67(A) dated 03/01/2018 stands cancelled.

The policy shall come into force from Sem-II of the Academic Year 2018-19.

All the concerned should take note of the above and act accordingly.

C.C.

1) Campus Incharge

2) All Deans

3) All HODS: For effective

circulation

4) All Subject (Course) Teachers 8) Office Copy

(Dr. B. P. Ronge) **PRINCIPAL**

6) College Notice Boards

7) FTP

5) Hostel Notice Boards





SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

COLLEGE OF ENGINEERING, PANDHARPUR





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NBA Accredited all Eligible UG Programmes and NAAC, Accredited Institute,
Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute

Date: 28/05/2022

Department of Mechanical Engineering

Notice

All the Faculty Members & Students of S.Y.B.Tech. Mechanical Engineering Department are hereby informed to note the following points regarding In Semester Exam (ISE-I) for semester-II of academic year 2021-2022.

- 1. ISE-I will be conducted from 06th June to 11th June.
- 2. ISE paper will be of 20 marks, which is distributed as 4 marks MCQs & 16 marks for descriptive questions.

*IMP. NOTE: -

- Student failing or remaining absent for subject in ISE or willing to improve the performance in one or more subjects at his/her choice may apply for RE-ISE within three days from the declaration of concern ISE result.
- 2. If student fail in ISE, even though if student pass in university exam, it will be considered as fail in that particular subject.

So take the note of same & act accordingly.

(Prof. S. S. Jadhav)

ISE Co-ordinator

Mech. Engg. Dept.

(Dr. S. S. Wangikar)

H.O.D.

Mech. Engg. Dept.

Dept of Meanured Engage

SVERI'S COE, Pandharpur Mechanical Engineering Dept.

TIME TABLE

EXAMINATION: ISE-I SEMESTER-II A.Y. 2021-22

CLASS: S.Y. Mechanical

Division: A&B.

Paper No.	Subject	Date	Time
1	PP&EE	06/06/2022	10:00 AM To 11:30AM
2	FM&FM	07/06/2022	10:00 AM To 11:30AM
3	EM-III	08/06/2022	10:00 AM To 11:30AM
4	K-TOM	09/06/2022	10:00 AM To 11:30AM
5	MT	10/06/2022	10:00 AM To 11:30AM
6	IAE	11/06/2022	10:00 AM To 11:30AM

Important Note:-

- 1. After ISE Classes will run regularly.
- 2. OBT& THT will be conducted on the same day of the respective subject.

(Prof. S.S. Jadhav)

ISE Co-ordinator Mechanical

Engineering Dept.

Dr. S. S. Wangikar)

H. O.D.

Mechanical Engineering Dept.

HEAD, Dept of Mechanical Engo COE Panehampur

Seating Arrangement for All Students

SVERI's College of Engineering, Pan arpur

Department of Mechanical Engineering A.Y. 2021-22 SEM-I ISE-I DAILY SUPERVISION DUTY

Date: - 7/6/2022

Sr. No.	Block	Class & Div.	Roll No.	Total	Name of Supervisor	Sign
1	515	S.Y. A	S.Y. A 01 to 35	35	/PKP	Pour
2	516	S.Y. A	S.Y. A 36 to 74	39	DTK	QT.
3	517	S.Y. B	S.Y. B 01 to 35	35	SVJ	1
4	518	S.Y. B	S.Y. B 36 to 67	32	SMka	not .

Prof. S. S. Jadhav) ISE Co-ordinator

(Dr. S. S. Wangikar) Head, Mech Engg. Dept

HEAD, Dept of Mechanical Engg COE Pandharpur



Department of Mechanical Engineering A.Y. 2021-22 SEM-I ISE-I DAILY SUPERVISION DUTY

Date:- 06/06/2022

Sr. No.	Block	Class & Div.	Roll No.	Total	Name of Supervisor	Sign
1	515	S.Y. A	S.Y. A 01 to 35	35	KSP	81
2	516	S.Y. A	S.Y. A 36 to 74	39	PBA	Louis
3	517	S.Y. B	S.Y. B 01 to 35	35	AKP	Pani
4	518	S.Y. B	S.Y. B 36 to 67	32	/PBH	Vannal.

Prof. S. S. Jadhav) ISE Co-ordinator

(Dr. S. S. Wangikar) Head, Mech. Engg. Dept

HEAD,
Dept. of Mechanical Engo
C O E. Pandharpur



Shri Vithal Education & Research Institute's

College of Engineering, Pandharpur

Assessment of In Semester Examination (ISE)

In Semester Examination (ISE)

- Marking Scheme of Assessment
- Answer Sheet
- Circular for Timely Assessment
- Result

In Semester Examination (ISE)

• Marking Scheme of Assessment

SVERI's College of Engineering, Pandharpur S.Y. B.Tech (Mechanical) ISE-1 Academic Year: 2021-22 Subject: Power Plant and Energy Engineering

Div: B

Day and Date: Monday & 06/06/2022

Time: 10.00 am - 11.30 am

Marks - 20

Duration-1:30 Hours

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
CO 1	Describe Effective use of available Energy Sources and their role in power development in India	BL2	06
CO 2	Explain various Power Plants and illustrate the effect of variable loads and load factors on Power Plants.	BL3	08
CO 4	Explain various methods of Economic analysis of power plants and explain various factors for selection of power stations.	BL2	06

Instructions - 1) All questions are compulsory.

II) Assume suitable data if required.

Q. 1		ectives type					02 M	Related CO & BL	PI
1.	a) Water	e following i b) Wildl		newable r Coal	esource? d) Forests		01		
2.	b) Nuclear (c) National d) Nuclear (d)	Power Corpo Power Corpo Public Corpo Public Corpo	ration of I oration of ration of I	ndia Limi India Lim ndia Limi	ited iited		01	CO I	1.3.1
Q. 2		ectives type					02 M		
1.	plant, is call a) Discrete	ed Ioad b) Pe	on the power se load	01	CO 2	1.3.1			
2.		e following p etric power p ected plant	load plant?	01					
Q. 3		of Governm		04 M	CO 1 BL 2	1.3.1			
Q.4	Explain the part of the load sup	oumped stora	(OR					
	Time (Hr.)	0 - 6	6 - 12	12 - 1	4 14 - 18	18 - 24	06 M	CO 2	1.3.1
	Load (MW)	35	90	65	100	50		BL 3	110.1
	Draw the Lo Factor, Plant	Capacity Fa							
Q.5	Define Econ Electrical ene	omics of po	ious cost of	06 M	CO 3 BL 2	2.1.3			

......All the Best.....

SVERI's College of Engineering, Pandharpur Department of Mechanical Engineering

Academic Year: 2021-22

Model Answer Key

ISE: I

Subject Name: Power Plant & Energy Engineering

SEM: II

Class & Division: S.Y. B.Tech. (B)

Q. No.	Sub Q. No.	Answer details	Marking Scheme
1.	a)	Coal	01 M
1.	b)	Nuclear Power Corporation of India Limited	01 M
2	a)	Peak load	01 M
2.	b)	Diesel elected plant	01 M
	2)	Classification Energy Sources.	02 M
	a)	Explanation of all in short.	02 M
3.	b)	Role of Government in Power Development.	02 M
	0)	Role of Private Sector in Power Development.	02 M
	(1)	Diagram of Pumped storage power plant	02 M
	a)	Explanation of Working	04 M
4.	b)	Load Curve & load duration curve	02 M
	b)	Answer of load factor & Plant capacity factor	04 M
5.	a)	Definition	02 M
٥.		Explanation various cost of electrical energy	04 M

Name & Sign of Subject Teacher

In Semester Examination (ISE)

Answer Sheet

57	ERI DE	COLL			ucation &	RING,	PANE	HARP		
ISE	Unit Te	st No	01						- 6 - 2	027
Nam	e of Stu	dent:	Shryp	rasac	d Pan	dura	ng ka	arande	7	
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		48				Sub	ject.:	PPEE		
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CO:	BL	PI Code	Q.No.	а	b	С	d	е	f	Tot
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	THE STATE OF THE SECOND STATES
Q. 2,	mys I so totals to electrons on till anning
1)	per miniference interference to estatuary of
->	The unvarying load, which occurs almost the whole
_	day on the power plant to called Base load.
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29	
->	1) Operel elected plant
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\rightarrow	Classiffication of energy sources &
	1) Portmary energy source in
	these are the energy
	sources which are gound on stored in nature.
	eg. Coal, natural gos etc.
	of Becondary energy source in These are the energy
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	e.g. electron
	3) Renewable energy gource :
	These are the energy
-	sources which are generated again again and
	cannot exhaust obter use.
	e.g. solar energy
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	4) Non-renewable energy source in
	These are the energy
	sources about can be exhausted and are not
	generated again and again.
	egen coal.
a sign	in straight on the
	5) Commercial energy source en
	These are the energy
	sources which are available in market and ma
	be purchase at a paretheulars profee from any
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	leg. gas, electrerity
	at at a second gours of
	e) Non-commercial source energy source si
	These are the
	energy sources whach are not available in
	market and cannot be purchased. These are
	energy sources are directly anailable in mature.
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	7) Conventional enorgy sources in
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	sources which we are using in maximum quartity
	en day to day applecations.
	All non menewable and commercial energy sources
200	are conventional energy sources.
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	8) Non-conventional energy sources is
	These are the energy
	sources which we are using in less quantities in
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	All renewable and non commercial energy sources
X	are non-conventional energy sources.
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E PARTY	to g Pn thermal power plant.
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	boiler there Pa requirement at large
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	And coef of posler of
	Cost of boiler Ps also considered
	during the selection of power pla borler. When
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	When the power plants are near the coal
	factories its cost becomes cheaper.
	vil) Type de Brothig si
	The code coal Ps used for
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	") Economisers and pre heatens are used in the
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In Semester Examination (ISE)

• Circular for Timely Assessment

1/28/22, 6:03 PM



प्रा.चंद्रकांत व्हरे <ckvhare@coe.sveri.ac.in>

Fwd: Notice-S.Y.B.Tech.-Regarding Submission of Result Analysis of ISE-I.

2 messages

Shashikant Jadhav <ssjadhav@coe.sveri.ac.in> To: "प्रा.चंद्रकांत व्हरे" <ckvhare@coe.sveri.ac.in>

Fri, Jan 28, 2022 at 5:06 PM

----- Forwarded message ------

From: Shashikant Jadhav <ssjadhav@coe.sveri.ac.in>

Date: Fri, Jan 28, 2022 at 4:57 PM

Subject: Fwd: Notice-S.Y.B.Tech.-Regarding Submission of Result Analysis of ISE-I.

To: Dipti Tamboli datamboli@coe.sveri.ac.in

-- Forwarded message ---

From: Shashikant Jadhav <ssjadhav@coe.sveri.ac.in>

Date: Fri, Feb 7, 2020 at 11:28 AM

Subject: Notice-S.Y.B.Tech.-Regarding Submission of Result Analysis of ISE-I.

To: MR. RAMDAS D SOLAGE <rdsolage@coe.sveri.ac.in>, Mr. Sachin Kale <smkale@coe.sveri.ac.in>, Mr. Sachin Gavali <srgavali@coe.sveri.ac.in>, Mr. Khedkar Yashapal Marutirao <ymkhedkar@coe.sveri.ac.in>, MR. KULDIP SURESH PUKALE <kspukale@coe.sveri.ac.in>, <sdtalekar@coe.sveri.ac.in>, <a href="ma

Mr. SHASHIKANT SUBHASH. JADHAV <ssjadhav@coe.sveri.ac.in>, Sachin Sonawane <sasonawane@coe.sveri.ac.in>

All the subject teachers of S.Y.B.Tech Mechanical are instructed to submit your respective subject ISE-I Result Analysis (Soft As well as Hard copy) on or before 08/02/2020 without fail.

Send soft copy on: dddubal@coe.sveri.ac.in ssjadhav@coe.sveri.ac.in

(Prof. S. S. Jadhav) Assistant Professor Mechanical Engineering Department SVERI's College of Engineering, Pandharpur Mob. No.8055836682

In Semester Examination (ISE) Result

SVERI'S COLLEGE OF ENGINEERING, PANDHARPUR MECHANICAL ENGINEERING DEPARTMENT

ACADEMIC YEAR: 2021-22

SEM-II

ISE-I: MARK LIST

CLASS: S.Y. B.Tech - A

SUBJECT: PPEE

Roll. No.	Marks (20)	Roll. No.	Marks (20)	Roll. No.	Marks (20)	Roll. No.	Marks (20)
SA 01	16	SA 21	12	SA 41	17	SA 61	15
SA 02	13	SA 22	12	SA 42	11	SA 62	17
SA 03	11	SA 23	09	SA 43	08	SA 63	17
SA 04	16	SA 24	11	SA 44	15	SA 64	11
SA 05	17	SA 25	13	SA 45	14	SA 65	11
SA06	12	SA 26	19	SA 46	15	SA 66	20
SA 07	09	SA 27	10	SA 47	12	SA 67	16
SA 08	11	SA 28	17	SA 48	19	SA 68	12
SA 09	16	SA 29	13	SA 49	14	SA 69	14
SA 10	14	SA 30	17	SA 50	19	SA 70	19
SA 11	20	SA 31	17	SA 51	15	SA 71	15
SA 12	13	SA 32	20	SA 52	11	SA 72	08
SA 13	10	SA 33	11	SA 53	14	SA 73	14
SA 14	05	SA 34	09	SA 54	11	SA 74	14
SA 15	12	SA 35	10	SA 55	13		
SA 16	18	SA 36	17	SA 56	10		Viii.
SA 17	17	SA 37	15	SA 57	AB		
SA 18	12	SA 38	15	SA 58	20		
SA 19	17	SA 39	16	SA 59	17	11/1/11	
SA 20	12	SA 40	12	SA 60	16		

Sr. No.	Particulars	Total No.
01	Strength of Class	74
02	No. of students Appeared for Examination	73
03	No. of students Absent for Examination	01
04	No. of students Failed in Examination	01
05	No. of students Passed in Examination	72
06	No. of students Scoring 60% & above Up to 80% (Marks 12-16)	27
07	No. of students Scoring above 80% (Marks 17-20)	14
08	% Result of the Subject	98.63 %

(Prof. A. K. Parkhe) Subject Teacher (Dr. S. S. Wangikar) Head, Mech. Engg. Dept.

HEAD,
Dept of Mechanical EC O.E. Pan Tur

Open Book Test (OBT)

- 1. Question Paper
- 2. Answer sheet
- 3. Result

Open Book Test (OBT)

Question Paper

SVERI's College of Engineering, Pandharpur S.Y. B.Tech (Mechanical) OBT-I Academic Year: 2021-22 Subject: Power Plant and Energy Engineering

Div: A

Day and Date: Monday & 06/06/2022

Marks - 20

Time: 04.15 pm - 05.15 pm

Duration-1:00 Hours

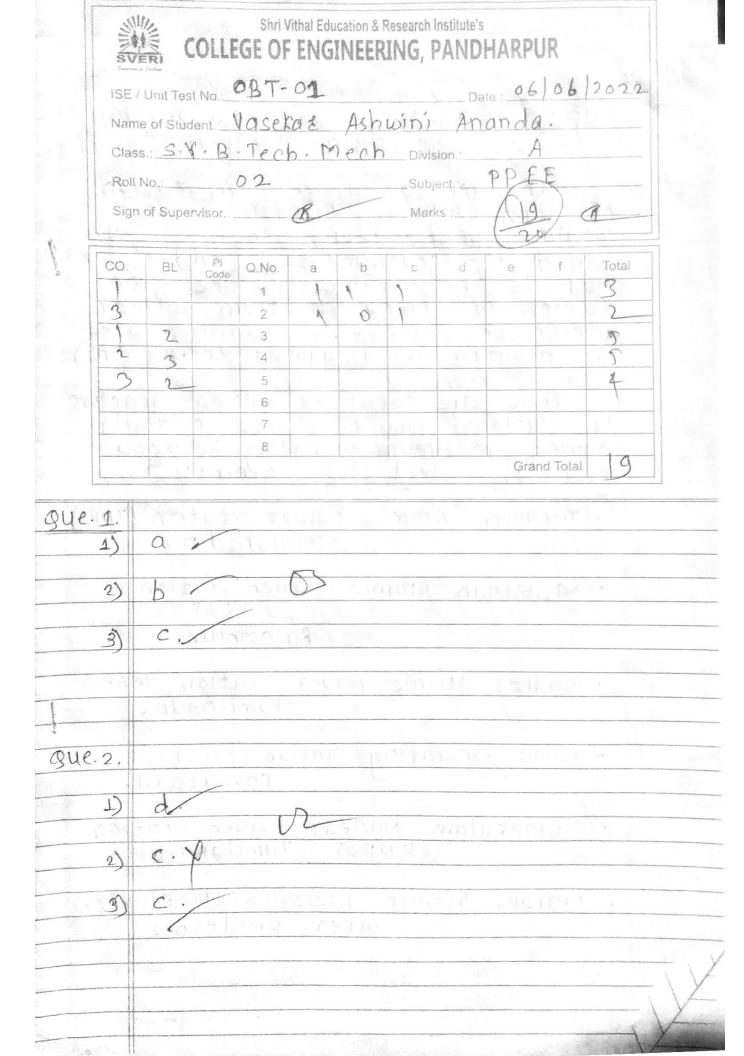
СО	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
CO 1	Describe Effective use of available Energy Sources and their role in power development in India	BL2	08
CO 2	Explain various Power Plants and illustrate the effect of variable loads and load factors on Power Plants.	BL3	05
CO 3	Explain various methods of Economic analysis of power plants and explain various factors for selection of power stations.	BL2	07

Q. 1	MCQ's/objectives type questions.	03 M	CO & B
1.	What is a power plant?		
•	b) industrial facility that uses primary energy to generate electricity b) industrial facility that uses secondary energy to generate mechanical energy c) industrial facility that uses primary energy to generate mechanical energy d) industrial facility that uses secondary energy to generate electricity	01	
2.	Where was India's first nuclear power plant was installed at? a) Obninsk b) Tarapur, Maharashtra c) Boisar, Maharastra d) None of the mentioned	01	CO 1
3.	Base load power plants are P. wind farms Q. run-of-river plants R. nuclear power plants S. diesel power plants a) P, Q, and S Only b) P, R, and S Only c) P, Q, and R Only d) Q and R only	01	
Q. 2	MCQ's/objectives type questions.	03 M	
1.	Air-Preheater in a steam power plant a) Raises the temperature of the furnace gases b) Recovers the heat from the flue gases leaving the economiser c) Improves combustion rate d) All of the mentioned	01	
2.	Efficiency of a power plant is more in summers or winters? a) same in both b) depends on the variation c) summers w) winters	01	CO 3
3.	In thermal power plants, the pressure in the working fluid cycle is developed by a) Condenser b) Super heater c) Feed Water Pump d) Turbine	01	
Q. 3	What is the role NPCIL & NHPC in power development in India?	05 M	CO 1 BL 2
Q.4	Explain in short Load Curve and Load Duration Curve.	05 M	CO 2 BL 3
Q.5	What is Economizer? Explain its use with neat sketch.	04 M	CO 3 BL 2

.....All the Best.....

Open Book Test (OBT)

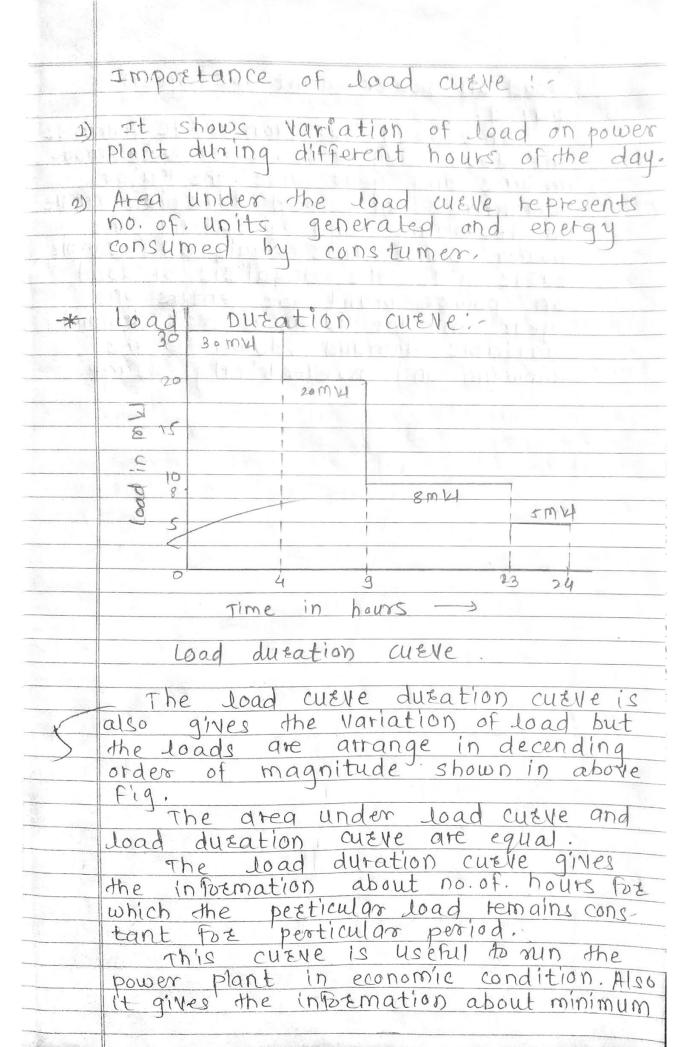
Answer sheet



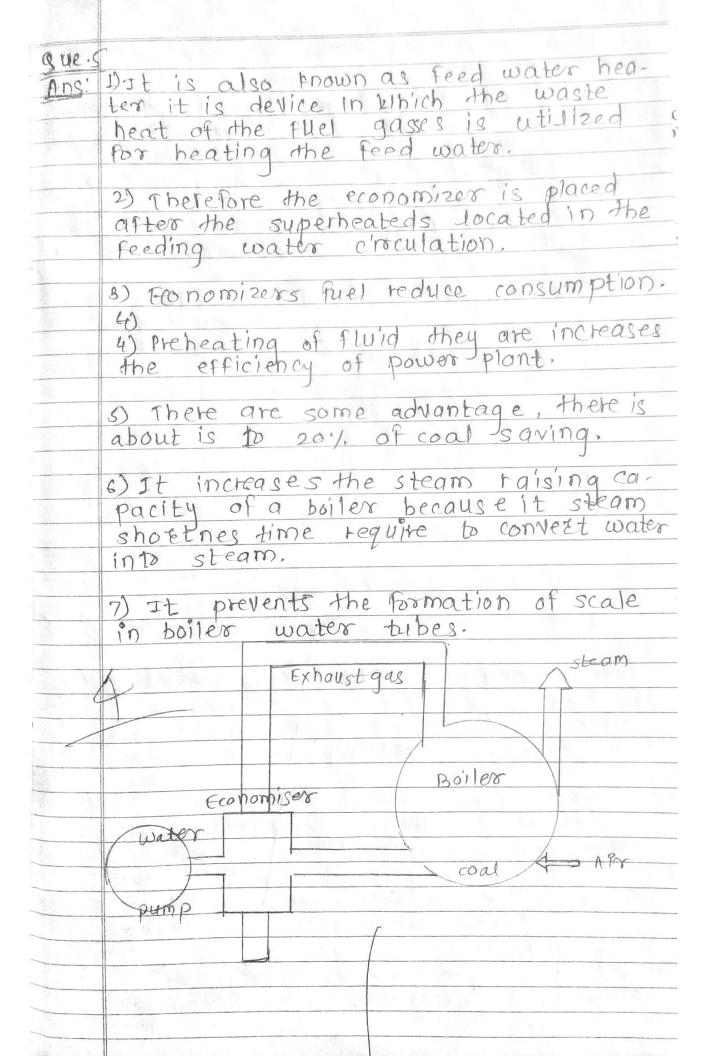
Que.3.	
Ans:	
	NPCIL: (Muclear power Corporation)
	of India similed).
	The nuclear power corporation.
	of India limited (NPCIL) is an
	Indian public sector Which is gov- erned by government of India and is responsible for the gene- ration of electricity from nuclear
	erned by government of andia
	and is responsible to the gene-
*	power. The NPCIL is administrated
	by department of atomic energy (DAE).
	There are total 23 Nuclear reactors
	or Nuclear power plants in andla
	having maximum capacity of 2000 MW of electricity generation.
	· Tarapur Atomic power station (TAPS),
	maharashtoa.
	· Rajasthan Atomic power station
	(RAPS) Rajasthan,
	Rajasthan,
	· madras Atomia power station (mane)
	· madras Atomic power station (maps), Tamilnadu.
	· Kaiga Generatina Station (Kac)
	· kaiga Generating station (kas), karnataka.
	· Kudankulam Nuclear power station (KKNPS) Tamilanadu.
	· Narora Atomic power section (NAPS), utter pradesh.
100	

	NHPC: - (National Hydroelectric power
	NHPC: - (National Hydroelectric powers corporation):
ži.	to that and more who returns and
	The NHPC is an Indian governm-
7 12 3	ent Hydropower plants which is govern
	ent Hydropower plants which is govern by ministry of power government
The I	of zndia that was started in 1975
1 1	as private sector and from 1986
	it is comes under government of
1	India under which the Hydroelectric
1217	projects are started. This is also
	a largest organization who is hand.
CHOSES,	ling botal 22 projects in India for
	power generation in addition to this
133	It has also started some other
	nower plants in the field of color
11/23	and wind energy.
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QUe. 4. Ans: + Load cuEves: · The cueve showing the variation of load on power station with · The demand of power is different and it varies according to activities performed by consumers. . The result in variation in demand is load on power station is never remain constant it varies w. E.t. time. . This load cueve is useful in predection ng the annual etequinment of erretgy and capacity of power plant required to take the peak load. rnown as daily load curve is . If time is in day known as monthly load cuEVe. . If the time is in months known as yearly or annual load curve. peat load demand 4 6 8 6 8 10 12 mid 12



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	load on power plant Dre specific
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Open Book Test (OBT)

Result

SVERI'S COLLEGE OF ENGINEERING, PANDHARPUR MECHANICAL ENGINEERING DEPARTMENT

ACADEMIC YEAR: 2021-22

SEM-II

OBT-I: MARK LIST

CLASS: S.Y. B. Tech - A

SUBJECT: PPEE

Roll. No.	Marks (20)						
SA 01	18	SA 21	19	SA 41	20	SA 61	20
SA 02	19	SA 22	20	SA 42	20	SA 62	20
SA 03	19	SA 23	20	SA 43	18	SA 63	20
SA 04	18	SA 24	20	SA 44	20	SA 64	20
SA 05	20	SA 25	20	SA 45	20	SA 65	20
SA06	19	SA 26	20	SA 46	20	SA 66	20
SA 07	18	SA 27	20	SA 47	20	SA 67	20
SA 08	20	SA 28	20	SA 48	20	SA 68	20
SA 09	20	SA 29	20	SA 49	20	SA 69	19
SA 10	20	SA 30	20	SA 50	20	SA 70	20
SA 11	20	SA 31	20	SA 51	20	SA 71	20
SA 12	20	SA 32	20	SA 52	20	SA 72	20
SA 13	20	SA 33	20	SA 53	20	SA 73	20
SA 14	18	SA 34	20	SA 54	20	SA 74	20
SA 15	20	SA 35	20	SA 55	20		
SA 16	20	SA 36	20	SA 56	20		
SA 17	20	SA 37	20	SA 57	AB		
SA 18	20	SA 38	20	SA 58	20		
SA 19	20	SA 39	20	SA 59	20		
SA 20	18	SA 40	20	SA 60	19		

Sr. No.	Particulars	Total No.
01	Strength of Class	73
02	No. of students Appeared for Examination	73
03	No. of students Absent for Examination	00
04	No. of students Failed in Examination	00
05	No. of students Passed in Examination	73
06	No. of students Scoring 60% & above Up to 80% (Marks 12-16)	73
07	No. of students Scoring above 80% (Marks 16-20)	73
08	% Result of the Subject	100 %

(Prof. A. K. Parkhe) Subject Teacher (Dr. S. S. Wangikar) Head, Mech. Engg. Dept.

Dept of Mechanical Engg COE Pandharpur

Take Home Test (THT)

- 1. Question Paper
- 2. Answer sheet
- 3. Result

Take Home Test (THT) Question Paper

SVERI's College of Engineering, Pandharpur S.Y. B.Tech (Mechanical) THT-I Academic Year: 2021-22 Subject: Power Plant and Energy Engineering

Div: A

Day and Date: Tuesday & 07/06/2022

Marks - 20

Duration-1:00 Hours

СО	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
CO 1	Describe Effective use of available Energy Sources and their role in power development in India	BL2	05
CO 2	Explain various Power Plants and illustrate the effect of variable loads and load factors on Power Plants.	BL3	10
CO 3	Explain various methods of Economic analysis of power plants and explain various factors for selection of power stations.	BL2	05

Q. No.	Question Statement	Marks	CO & BL
_		05 14	CO 1
Q. 1	Explain Impacts of various Energy Sources on Environment.	05 M	BL 2
1		07.16	CO 2
Q. 2	Explain Gas Turbine Power Plant with neat sketch.	05 M	BL 3
	The yearly duration curve of a certain plant can be considered as a straight		
	line from 300 MW to 80 MW. Power is supplied with one generating unit		CO 2
Q. 3	of 200 MW capacity and two units of 100 MW capacities each.	05 M	Bi 3
	Determine: Installed Capacity, Load Factor, Plant Factor, Maximum		The state of the s
	Determine: Installed Capacity, Load Factor, Plant Factor, Maximum And Milization Factor.		
0.4	Explain the various Principles of Power Plant Design.	0534	CO 3
Q.4	Explain the various Fillelpies of Fower Flant Design.	05 M	BL 2

.....All the Best.....

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Take Home Test (THT)

Answer sheet

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Shri Vithal Education & Research Institute's

COLLEGE OF ENGINEERING, PANDHARPUR

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iij solar energy: - it has impact on natural

resource due to chemical.

Take Home Test (THT) Result

SVERI'S COLLEGE OF ENGINEERING, PANDHARPUR MECHANICAL ENGINEERING DEPARTMENT

ACADEMIC YEAR: 2021-22

SEM-II

THT-I: MARK LIST

CLASS: S.Y. B.Tech - A

SUBJECT: PPEE

Roll. No.	Marks (20)	Roll. No.	Marks (20)	Roll. No.	Marks (20)	Roll. No.	Marks (20)
SA 01	18	SA 21	18	SA 41	20	SA 61	18
SA 02	20	SA 22	16	SA 42	20	SA 62	
SA 03	20	SA 23	16	SA 43	18		12
SA 04	20	SA 24	17	SA 44	20	SA 63	19
SA 05	17	SA 25	20	SA 45		SA 64	18
SA06	20	SA 26	17		17	SA 65	19
SA 07	20			SA 46	18	SA 66	18
SA 08		SA 27	17	SA 47	20	SA 67	18
	15	SA 28	18	SA 48	20	SA 68	19
SA 09	17	SA 29	19	SA 49	18	SA 69	18
SA 10	19	SA 30	19	SA 50	17	SA 70	
SA 11	20	SA 31	19	SA 51	19		15
SA 12	20	SA 32	17	SA 52		SA 71	20
SA 13	19	SA 33			19	SA 72	18
SA 14	18		20	SA 53	19	SA 73	17
SA 15		SA 34	16	SA 54	19	SA 74	18
	20	SA 35	17	SA 55	19		
SA 16	18	SA 36	17	SA 56	18		
SA 17	19	SA 37	19	SA 57	AB		
SA 18	19	SA 38	20	SA 58	18		
SA 19	18	SA 39	20	SA 59	16		
SA 20	18	SA 40	19	SA 60	17		

Sr. No.	Particulars	
01	Strength of Class	Total No.
02	No. of students Appeared for Examination	73
03	No. of students Absent for Examination	73
04	No. of students Failed in Examination	00
05		00
	No. of students Passed in Examination	73
06	No. of students Scoring 60% & above Up to 80% (Marks 12-16)	03
07	No. of students Scoring above 80% (Marks 16-20)	
08	% Result of the Subject	70
	340,000	100 %

(Prof. A. K. Parkhe) Subject Teacher

(Dr. S. & Wangikar) Head, Mech. Engg. Dept.

Internal Continuous Assessment (ICA) Circular



Shri Vithal Education & Research Institute's

COLLEGE OF ENGINEERING, PANDHARPUR
P.B.No. 54, Gopalpur - Ranjani Road, Gopalpur, Pandharpur - 413 304, Dist. Solapur (Maharashtra)Tel.: 7755990201.
Toll Free No.: 1800-3000-4131, E-mail: coe@sveri.ac.in, Website: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur, Accredited by The Indian Institution of Engineers (India), Kolkata and TCS, Pune. ISO 9001:2008 Certified Institute



Date: 03/01/2018

Circular

All the staff and students are hereby informed to note that the modified policy for giving Internal Continuous Assessment (ICA) (term work) marks is as per the details given bellow:

PART-I: Continuous Evaluation

Sr.	Particular	Split of Marks out of 25		
No.		For subjects with practice Session	For subjects without practice Session	
A.	Subjects with only Assignments / Tutoria	ls		
		A1	A2	
1.	Assignment / Tutorial (Timely submission and presentation of write up)	08	10	
2.	Attendance in Practice Session	04	00	
3.	Unit Tests (03 tests X 02 Marks)	06	06	
4.	PPPE write up	05	07	
5.	Oral	· 02 ·	02	
	Total	25	25	
B.	Subjects with Lab Practical and Assignm	ents / Tutorials		
		- B1	B2	
l.	Assignment / Tutorial (Timely submission and presentation of write up)	03	04	
2.	Lab Book (Timely submission and presentation of write up)	05,	06	
3.	Attendance in Practice Session	03	00	
4.	Unit Tests (03 tests X 02 Marks)	06	06	
5.	PPPE write up	04	04	
6.	Oral	02	02	
7.	Lab Tests	02	03	
	Total	25	25	
C	Subjects with only Lab Practicals without	Theory Paper		
		C1	C2	
1.	Lab Book (Timely submission and presentation of write up)	06 .	06	
2.	Timely completion of Practical	05	05	
3.	PPPE write up	`02*	02*	
1.	Oral	05	05	
5.	Lab Tests	. 07	07	
	Total	25.	25	



Note: *For the subjects with no theory lectures, these one mark should be added to "Timely Completion of Practical and Performance" and "Lab Book (Timely submission and presentation of write up)" making corresponding marks as '06', '06' and '07', '07', respectively.

Part-II: Attendance and Professional Behavior

A. Effect of Attendance on ICA (Term Work) Marks

Sr. No.	Percentage Attendance.	Variation in the Final Marks
1	100	+3
2	95-99	• +1
3	90-94	No Effect i.e. 0
4	85-89	-2
5	80-84	-3

B. Total marks obtained by a student will be further smoothened /modified based on general behavior and participation of the student. The authority to smoothen/modify the marks based on this point shall be with HoD. However, exceptional cases be taken to Principal through Dean Students.

Note:

- 1. The detailed procedure for continuous evaluation and allocating marks with respect to each of the tools as per the type of subject is given in **Annexure-I**.
- The above policy is for subjects having ICA (Term Work) marks out of 25. For the subjects having ICA marks other than 25, proportional conversion of the ICA (Term Work) marks be done.
- Soft copy of the excel Sheets as per the type of subjects will be loaded on the FTP for assisting students to verify the correctness in their Term Work marks.
- The earlier circular on 5+2 point formula dated 20/10/2014 with ref no. COEPR/2014-15/CIR/33 stands cancelled w.e.f 01/01/2018.
- 5. All the subject teachers have to update their files with this Circular in place of the previous circular dated 20/10/2014.

All the concerned should take the note of the above and act accordingly.

(Dr. B. P. Ronge) PRINCIPAL

Annexure-I: Progressive Assessment Guidelines

I |Progressive Assessment of Lab Books, Assignments or tutorials should be assessed out of 25 Marks for each Lab Practical/Assignment/Tutorial

1. Lab Book shall be assessed as given below:

Attendance	Performance in Lab	Submission	Presentation	Oral	Total
Out of 5	Out of 5	Out of 5	Out of 5	Out of 5	Out of 25
Marks	Marks	Marks	Marks	Marks	Marks

Attendance: If the student is present for practical session should be given 5 marks, if he/she performs same practical in next session allot him/her 4 marks and reduce 1 mark for each subsequent session. Minimum 1 mark should be given if he/she performs practical during the semester.

Performance in Lab: Teacher should observe the performance of individual student e.g. Initiative, Reading taking, etc. It is expected to observe the student how he/she performs at the time of practical session. Faculty members should ensure that every student take initiative and perform the practical and in such cases accordingly 5 marks be given. Marks be allotted as per the involvement of the students.

Submission: Students are supposed to submit lab book in time. If he/she submits the practical writeup in same or immediate next practical session, give 5 marks and if he/she fails to submit 1 mark each be reduced for every subsequent session. If he/she submits the lab book thereafter during the semester 1 mark be given. And if he/she submits lab bookduring the semester 1 mark be given.

Presentation: Teacher should assess the lab book by verifying the neatness, content of write up, results and conclusion. This is subjective, if teacher finds lab work as per requirements 5 marks be given. Results and conclusion shall be based on what is understood/observed by the student and how the output is interpreted by the student.

Oral: Student be asked queries related to practical/ theory, and based on student's performance marks be allotted.

Note: For B1 and B2: The total marks of all experiments in Lab Book be converted out of 5 /6 marks at Sr. No. 1 under B in PART-I i.e. "Lab Book (Timely submission and presentation of writeup)", as the case may be.

For C1 and C2: The total marks of all experiments in Lab Book be converted out of 6 /7 marks at Sr. No. 1 under C in PART-1 i.e. "Lab Book (Timely submission and presentation of writeup)", as the case may be, and marks related to Sr. No. 2 under C in PART-1 i.e. "Timely

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completion of Practicals" be linked with the attendance of Practicals and be converted out of 5/6 marks as follows:

Attendance in %*	Marks
100	5/6
95-99	4/5
90-94	3/4

Attendance in %*	Marks	
85-89	2/3	
80-84	1/2	
Below 80 and Completed by extra sessions	0/1	

^{*} Sanctioned leave be considered as attendance after completion of the particular practical during extra session.

2. Each Assignment be assessed on the basis of timely submission (10 M), presentation (10 M) and oral (5 M)

Timely Submission	Presentation	Oral	Total
Out of 10	Out of 10	Out of 5	Out of 25
Marks	Marks	Marks	Marks

Timely Submission: Student is supposed to submit the assignment within the stipulated time to get full marks. If student fails to submit the assignment in time, 1 mark each for every late day be reduced. However, thereafter for the submission of the assignment during the semester he/she be given 2 marks.

Presentation: Presentation of assignment be judged based on contents, neatness, completeness, etc.

Oral: Questions on assignment be asked to verify the understanding of the student. If the student fails to answer, he/she be asked to prepare and appear for the oral once again. Marks be given based on oral performance.

Note: The total marks of all assignments in the assignment book be converted; out of 8 or 10 at Sr. No. 1 under A1 and A2, respectively and out of 3 or 4 at Sr. No. 1 under B1 and B2, respectively in PART-I i.e. "Assignment / Tutorial (Timely submission and presentation of write up)".

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II] Progressive Assessment for "Attendance in Practice Session":

Attendance record of practice sessions be maintained separately.

"Attendance in Practice Session" marks at Sr. No. 2 under A at A1 and Sr. No. 3 under B at B1 in PART-I be allotted based on attendance of practice sessions as given below:

Sr. No.	Percentage of Practice Session Attendance*	A1	B1
1	100	. 4	3
2	90-99	3	2
3	85-89	2	1
4	80-84	- 1	1
5	75-79	0	0
6	Below 75	-1	-1

^{*} Rounding be done to upper integer number

III] Progressive Assessment for "Unit Tests" (6 Marks):

- Minimum 3 unit tests be conducted as per ESE pattern i.e. 20% MCQs and 80% subjective questions.
- These tests be on syllabus of Unit No. 1, 3, 5, etc.
- Final ICA (Term Work) marks distribution be as follows:

Sr. No.	Particulars	Percentage marks in all the tests together	Marks to be given out of 6
1.	Student passes in all unit tests	80 and Above	6
2.	Student passes in all unit tests	70 and Above	5
3.	Student passes in all unit tests	60 and Above	4
4.	Student passes in all unit tests	50 and Above	3
5.	Student fails in or remains absent for any one of the unit tests	-	2
6.	Student fails in or remains absent for any two of the unit tests	-	1
7.	Student fails in or remains absent for all the unit tests	-	0

Note:

- 1. Above provisions are for subjects with 70 marks ESE. Modifications be made accordingly, for subjects having different marks for ESE.
- 2. Student, failing in or remaining absent for the test or willing to improve, at his/her choice may opt for retest, within 5 days from the date of declaration of the result, once for each test by paying charges of Rs. 100/- per test. Best performance be retained.

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IV] Progressive Assessment for "PPPE write up":

- PPPE write up be checked at every practical/tutorial session by respective teacher.
- If there is no practical/tutorial session, one day in the week be decided by the concerned teacher for getting PPPE write up checked.
- Assessment Marks for each session be out of 10 and be given based on the following criterion:

Submission	Presentation	Oral	Total
(Out of 5 Marks)	(Out of 3 Marks)	(Out of 2 Marks)	(Out of 10 Marks)

Submission: Five (5) marks be given if the student submits the PPPE writeup in immediate next practical/tutorial session or the day assigned, as the case may be. If there is delay in submission, 1 mark each be reduced for every subsequent session. However, 1 mark be given for submission thereafter during the semester.

Presentation: Teacher should assess the PPPE write up by verifying the neatness, contents, completeness, etc. of the write up. Three (3) marks be given, if the teacher finds PPPE write up as per the requirements.

Oral:Questions on PPPE writeup be asked to verify the understanding of the student. If the student fails to answer, he/she be asked to prepare and appear for the oral once again. Marks be given based on oral performance.

Note: The total marks of all PPPE write up be converted; out of 5 or 7 at Sr. No. 4 in A under A1 and A2, respectively, out of 4 at Sr. No. 5 in B under both B1 and B2, and out of 2 at Sr. No. 3 in C under both C1 and C2, if applicable, in PART-1 i.e. "PPPE write up".

V) Progressive assessment for "Lab Tests":

- TwoLab Tests be conducted during the semester, in line with first two ISEs, for the subjects where students have to perform experimental practicals.
- Weightage for each Lab Test be of 20 marks as per the distribution given below:

Presentation	Results and	Oral	20 Marks
	Conclusion		
Out of 3	Out of 5	Out of 2	Out of 20
		Conclusion	Conclusion

Conduct of Experiment: Ten (10) marks be given if the student conducts experiment as per the standard procedure of the experiment. If the experiment is not completed, appropriate marks be given based on number of steps completed.

Presentation: Teacher should assess the Lab Test write up by verifying the neatness, contents, completeness, etc. of the write up. Three (3) marks be given, if the teacher finds the write up as per the requirements.

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Results and Conclusion: Five (5) marks be given if the results are appropriate and proper conclusion is drawn.

Oral: Questions on Lab Test be asked to verify the understanding of the student. If the student fails to answer, he/she be asked to prepare and appear for the oral once again. Marks be given based on oral performance.

Final ICA (Term Work) marks distribution be as follows:

Sr. No.	Particulars	Percentage marks in all the tests together	B1 (Out of 2 Marks)	B2 (Out of 3 Marks)	C1 and C2 (Out of 7 Marks)
1.	Student passes in all Lab Tests	80 and Above	2	3	7
2.	Student passes in all Lab Tests	70 and Above	1	2	5
3.	Student passes in all Lab Tests	60 and Above	1	1	4
4.	Student passes in all Lab Tests	50 and Above	1 .	1	3
5.	Student fails in or remains absent for any one of the Lab Tests		0	0	0
6.	Student fails in or remains absent for all the Lab Tests	•	-1,	-1	-1

Note:

Student, failing in or remaining absent for the Lab Tests or willing to improve, at his/her choice may opt for retest, within 5 days from the date of declaration of the result, once for each test by paying charges of Rs. 100/- per Lab Test.Best performance be retained.

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Internal Continuous Assessment (ICA) Tools

Assignment

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(Assignment / Tutorial Book Assessment)

Sr. No.	Title of Assignment / Tutorial	Page No.	СО	Date of Assign./Tut.		Marks (25)			Total Marks	Sign.
				Given	Checked	Timely Submission (10)	Presentation (10)	Oral (5)	(25)	
01	Assignment HO:-1	1		3	3					1
	Pressure & Temp.	01	OI	32	30/03	10	10	4	24	1
	Measurement							- 8		4
02	Assignment NO 8-2	02	02							/
	Force & Torque			30/3	15/04	10	10	4	24	1/
	Measurement					,,,,				4
03	Assignment NO:-3	04	03	15/04	2904	10	,10	4	24	1
	Acceleration, Velocity			,	.,,				n Ei	.0
	& Displacement									1
				101	6					1/2
04	Assignment NO:-4	06	04	29/04	12/05	10	10	4	24	1,
	control System			6	(0)					
05	J	80	05	12/05	26/05	10	10	4	24	
	Root locus Method									-
06	Assignment NO %-6	09	06	26/05	07/00	10	10	4	24	
	Bode Plots		-	-						v

_	CERTIFICATE
	This is certify that Mr. / Miss. / Mrs. Gundeti Arun Ambadas of
	ClassT.Y DivisionB Roll No .29 SemesterY.I has completed satisfactorily
	Assignments/Tutorials in T&C during the academic year 21-22
	Date: Subject Teacher Flead of Dept. Principal
	Subject Teacher Read of Dept. Principal

Internal Continuous Assessment (ICA) Tools

Journal

<u>INDEX</u> (Laboratory Book Assessment)

Sr. No.	Title of Experiment	Page No.	СО	Date of Expt.		Marks (25)				Total (25)	Sign.	
				Performed	Submitted	Attendance (5)	Performance (5)	Submission (5)	Presentation (5)	Oral (5)		
1.	Assignment No. 01	1	28+3	28/3	11/9	5	5	5	5	4	24	3
2.	Assignment Ho 02	11		214	215	35	5	5	2	9	24	@ T
	Practicals											
	calibration of vernier								(-	4	0.1	art.
1.	production to -01	15	1	2813	11/4	5	2	5	5	7	24	W-1
2.	ractical to of gear	, 18	.2	11/4	21/4	5	5	5	5	4	24	37
3.	measure effective of		3	21/4	215	9-	5	5	5	4	24	and t
3.	soren thread by using profile Projector.	21	9		215	2)	_		,		
4,	Racical Ho by	22	4	215	1315	5	5	5	2	9	24	87
	of given sample using toylor wobsofts toly surf						-					C
5.	Visit to metrology	24	5	13/5	27/5	-10-	5	2	5	4	24	Q1.
	lab.											
												,

	CERTIFICATE	
This is certify that Mr. / Miss	./ Mrs Kodom Dipti funtosh	of
	Roll No Semester has	
Experiments in Metrol	during the acade	emic year 2021-22
Date :	Head of Dept.	B-Ronge
Subject Teacher	Head of Dept.	Principal