GOVERNMENT POLYTECHNIC JAIPUR

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DEPARTMENT OF MECHANICAL ENGINEERING LESSON PLAN

Discipline:		LESSON PLAN	
Mechanical	Semester: 4th	Name of the Teaching faculty: Suprava Behera	
Subject: ME AB-II	No of Days/Week class alloted: 2	Semester from Date: 14.02.2023 To Date: 23.05.2023 No of weeks:	
Week	Class Day		
	Class Day	Topics	STEP North-Tomacher translation of personal principally
	1st(3p, Gr 1)	Study of 2-S, 4-S petrol & diesel engine models	the contract was a first to the contract of the party of the contract of the c
		i) Aim of the expt, Basic theory, parts of engine model	A RECORD AND A CONTRACT OF THE SECOND
	1st(3p, Gr 2)	Study of 2-S, 4-S petrol & diesel engine models	
1.0	2nd(3p, Gr 1)	i) Aim of the expt, theory, parts of engine model Study of 2.5.4.5 parts of engine model	metroprisens consumprise per la consumera
1st		Study of 2-S, 4-S petrol & diesel engine models i) Opearting principle	National Community Communities of the Community Communit
			menancemental v
	2nd(3p, Gr 2)	(ii) Animations and videos of 2-S and 4-S petrol and diesel engine models. Study of 2-S, 4-S petrol & diesel engine models	summer / no-common
		i) Opearting principle	and the second s
		(ii) Animations and videos of 2-5 and 4-5 petrol and diesel engine models.	estato e per estato de la constitución de la consti
		Study of 2-S, 4-S petrol & diesel engine models	
	1st(3p, Gr 1)	i) Record submission and checking	
		ii) Viva, assessment	
		Study of 2-S, 4-S petrol & diesel engine models	
	1st(3p, Gr 2)	i) Record submission and checking	
2nd		ii) Viva, assessment	
		Determination of the brake thermal efficiency of single cylinder petrol engine	
	2nd(3p, Gr 1)	i) Aim of the expt, theory, procedure, precautions	manufacture resource participation and the second
		ii) Demonstration to conduct practical	The second second second second
		Determination of the brake thermal efficiency of single cylinder petrol engine	The same of the sa
	2nd(3p, Gr 2)	i) Aim of the expt, theory, procedure, precautions	7
		ii) Demonstration to conduct practical	PORTO / / ACCOMPANIANT
		Determination of the brake thermal efficiency of single cylinder petrol engine	
	1st(3p, Gr 1)	i) Machine handling and Precautions	
		ii)Taking readings, Observations table and calculation of the brake thermal efficiency by students.	
	4-4/2 - 6-21	Determination of the brake thermal efficiency of single cylinder petrol engine	3
	1st(3p, Gr 2)	i) Machine handling and Precautions	199
3rd		ii)Taking readings, Observations table and calculation of the brake thermal efficiency by students.	
	2nd(3p, Gr 1)	Determination of the brake thermal efficiency of single cylinder petrol engine	- :
	2110(5p, Gr 1)	i) Record submission and checking ii) Viva, assessment	
-			
		Determination of the brake thermal efficiency of single cylinder petrol engine	41.
	2nd(3p, Gr 2)	i) Record submission and checking	
		ii) Viva, assessment	
		Determination of the brake thermal efficiency of single cylinder diesel engine.	7
	1st(3p, Gr 1)	i) Aim of the expt, theory, procedure, precautions	- K.
4th		ii) Demonstration to conduct practical	
	1st(3p, Gr 2)	Determination of the brake thermal efficiency of single cylinder diesel engine.	
		i) Aim of the expt, theory, procedure, precautions	
		ii) Demonstration to conduct practical	
	· · · · · · · · · · · · · · · · · · ·		1.0
	2nd(3p, Gr 1)	Determination of the brake thermal efficiency of single cylinder diesel engine.	
		i) Machine handling and Precautions	
		ii)Taking readings, Observations table and calculation	
	2nd(3p, Gr 2)	Determination of the brake thermal efficiency of single cylinder diesel engine.	
		i) Machine handling and Precautions	
		ii)Taking readings, Observations table and calculation	173,000

	1st(3p, Gr 1)	Determination of the brake thermal efficiency of single cylinder diesel engine.	1.m A 3.0 (2)
	131(35), 01 1)	if Record submission and checking	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		ii) Viva, assessment	
		Determination of the brake thermal efficiency of single cylinder diesel engine.	A CARAC
	1st(3p, Gr 2)	i) Record submission and checking	1 1 2 2 2 2
7		ii) Viva, assessment	
5th			- S.
	2nd(3p, Gr 1)	Determination of the B.H.P, I.H.P BSFC of a multi-cylinder engine by Morse test.	1 IV to
		i) Aim of the expt, theory, procedure, precautions	92-47
		ii) Demonstration to conduct practical	
	2nd(3p, Gr 2)		
		Determination of the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.	
		i) Aim of the expt, theory, procedure, precautions	
		ii) Demonstration to conduct practical	A 4 2 1
		Determination of the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.	
	1st(3p, Gr 1)	i) Machine handling and Precautions	
		ii)Taking readings. Observations table and calculation of Burbana services	
		ii)Taking readings, Observations table and calculation of B.H.P, I.H.P BSFC of a multi cylinder engine by students. Determination of the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.	
	1st(3p, Gr 2)	i) Machine handling and Precautions	
5th	201(5), 61 2)	, and receasions	- 61
		ii)Taking readings, Observations table and calculation of B.H.P, I.H.P BSFC of a multi cylinder engine by students.	
	2nd/2n C= 1)	Determination of the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.	7.7
	2nd(3p, Gr 1)	i) Record submission and checking	1
		ii) Viva, assessment	1
	2nd(3p, Gr 2)	Determination of the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse *est.	
		i) Record submission and checking	
		ii) Viva, assessment	1
	1st(3p, Gr 1)	Determination of the Mechanical efficiency of an air Compressor. i) Aim of the expt, theory, procedure, precautions	103. 17
		ii) Demonstration to conduct practical	1.35.
	1st(3p, Gr 2)	Determination of the Mechanical efficiency of an air Compressor.	-
		i) Aim of the expt, theory, procedure, precautions	
7th		ii) Demonstration to conduct practical	
		Determination of the Mechanical efficiency of an air Compressor.	
	2nd(3p, Gr 1)	i) Machine handling and Precautions	A Care
		ii)Taking readings, Observations table and calculation of the Mechanical efficiency by students.	
		Determination of the Mechanical efficiency of an air Compressor.	
	2nd(3p, Gr 2)	i) Machine handling and Precautions) (#.£7.1
		ii)Taking readings, Observations table and calculation of the Mechanical efficiency by students.	11.5
	1st(3p, Gr 1)	Determination of the Mechanical efficiency of an air Compressor.	- 13 - 13 - 1
		i) Record submission and checking	
-		ii) Viva, assessment	t
	1st(3p, Gr 2)	Determination of the Mechanical efficiency of an air Compressor. i) Record submission and checking	<i>g.</i>
		ii) Viva, assessment	1100
8th	2nd(3p, Gr 1)	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)	- 46
		i) Aim of the expt, Basic theory, types of pressure measuring devices	8
		(ii) Functions of different pressure measuring devices	33
	2nd(3p, Gr 2)	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)	10.00
		i) Aim of the expt, Basic theory, types of pressure measuring devices	7
		(ii) Functions of different pressure measuring devices	

eth	1st(3p, Gr 1)	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge) i) Record submission and charles	
		i) Record submission and checking	19419
		ii) Viva, assessment	1
		Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)	
	1st(3p, Gr 2)	i) Record submission and checking	L _M
		ii) Viva, assessment	
	2nd(3p, Gr 1)		
		Verification of Bernoulli's theorem	
		i) Aim of the expt, theory, procedure, precautions	
		ii) Demonstration to conduct practical	
	2nd(3p, Gr 2)	Verification of Bernoulli's theorem	7272
		i) Aim of the expt, theory, procedure, precautions	79
		ii) Demonstration to conduct practical	
		Verification of Bernoulli's theorem	4/4-
	1st(3p, Gr 1)	i) Machine handling and Precautions	7 5-17
		II)Taking readings, Observations table and calculation of the total head of incompressible fluid (ressure head+kir head) by students.	ietic head+potentiai
		Verification of Bernoulli's theorem	
	1st(3p, Gr 2)	i) Machine handling and Precautions	
1046	20(36, 01.2)	ii)Taking readings, Observations table and calculation of the total head of incompressible fluid (ressure head+kin	ietic head+potential
10th		head) by students.	3/-
		Verification of Bernoulli's theorem	F
	2nd(3p, Gr 1)	i) Record submission and checking	
		ii) Viva, assessment	CA CA
		Verification of Bernoulli's theorem	1, 1
	2nd(3p, Gr 2)	i) Record submission and checking	
		ii) Viva, assessment	4.
	1-1/2 (0.1)	Determination of Cd from venturimeter	
	1st(3p, Gr 1)	i) Aim of the expt, theory, procedure, precautions	i i
		ii) Demonstration to conduct practical Determination of Cd from venturimeter	3
	1st(3p, Gr 2)	i) Aim of the expt, theory, procedure, precautions	257 6
	131(3p, 01 2)	ii) Demonstration to conduct practical	. 3
11th		Determination of Cd from venturimeter	-
	2nd(3p, Gr 1)	i) Machine handling and Precautions	77
		ii)Taking readings, Observations table and calculation by students	64.3
		Determination of Cd from venturimeter	1 - 31 - 31
	2nd(3p, Gr 2)	i) Machine handling and Precautions	· sad
		ii)Taking readings, Observations table and calculation by students	
Y		Determination of Cd from venturimeter	
	1st(3p, Gr 1)	i) Record submission and checking	
		ii) Viva, assessment	0.00
	1st(3p, Gr 2)	Determination of Cd from venturimeter	1 4
		i) Record submission and checking	
1.7+h		ii) Viva, assessment	200
12th	2nd(3p, Gr 1)	Determination of Cc, Cv, Cd from orifice meter	18 6-5
		i) Aim of the expt, theory, procedure, precautions	32 X 34
		ii) Demonstration to conduct practical	
	2nd(3p, Gr 2)	Determination of Cc, Cv, Cd from orifice meter	<u> </u>
		i) Aim of the expt, theory, procedure, precautions	
		ii) Demonstration to conduct practical	

A	1st(3p, Gr 1)	Determination of Co. Co. Cold.	per an excelentation of the feet contraction and the excelent for any absolute of the state of the Contraction of the Contracti
		Determination of Cc, Cv, Cd from orifice meter i) Machine handling and Precautions	CONTROL CONTRO
			to an like the community has already all the complete and the major are the second of the complete an extending all the complete and the compl
	1st(3p, Gr 2)	ii)Taking readings, Observations table and calculation by students	and the control of th
		Determination of Cc, Cv, Cd from orifice meter	
		i) Machine handling and Precautions	
13th		ii)Taking readings, Observations table and calculation by students	
1 1500		Determination of Cc, Cv, Cd from orifice meter	The second secon
	2nd(3p, Gr 1)	i) Record submission and checking	The second secon
		ii) Viva, assessment	The state of the s
		Determination of Cc, Cv, Cd from orifice meter	The second secon
	2nd(3p, Gr 2)	i) Record submission and checking	1860
		ii) Viva, assessment	
		Determination of the Darcy's coefficient from flow through pipe	
	1st(3p, Gr 1)	i) Aim of the expt, theory, procedure, precautions	
		ii) Demonstration to conduct practical	
		Determination of the Darcy's coefficient from flow through pipe	· ·
	1st(3p, Gr 2)	i) Aim of the expt, theory, procedure, precautions	
		ii) Demonstration to conduct practical	97
14th	2nd(3p, Gr 1)	Determination of the Darcy's coefficient from flow through pipe	经 第5
		i) Machine handling and Precautions	
		ii)Taking readings, Observations table and calculation by students	
	2nd(3p, Gr 2)	Determination of the Darcy's coefficient from flow through pipe	
		i) Machine handling and Precautions	
		ii)Taking readings, Observations table and calculation by students	12.00
	1st(3p, Gr 1)	Determination of the Darcy's coefficient from flow through pipe	
		i) Record submission and checking	Ŷ
	1st(3p, Gr 2)	Determination of the Darcy's coefficient from flow through pipe	4
		Record submission and checking	10 mm/s
15th	2nd(3p, Gr 1)	Determination of the Darcy's coefficient from flow through pipe	
		i) Viva, assessment	*08.4
	2nd(3p, Gr 2)	Determination of the Darcy's coefficient from flow through pipe	1
		i) Viva, assessment	1.8

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