	P ongra	Course 00	Mechanical Enga Subject Fo	inch Med	corics & Hydro	uleus
	LABUS	Total Periods	SG Theory 5	0 11	t weeks	
	Period Nos.	Topic	Details	Instruction- Reference	Additional Study	Remark
1	1-4	1 Properties of fluids.	Density, Specific growity, Specific weight, Specific or clame, Dynamic viscosity, Kinematic viscosity	C I	Recommended	
			Surface tensition, capillinity.	Λ		
7	5 - 10		Fluid Prissure, Prissure Had,	by by	1	
		Measure Measure	atmospheric prissure obsdit	Bu/d	77. (4)	
4			pressure, Simple and different and Manonitus, Bourden , pressure (semple problems on	4 1		
В.	11-18.	I Fluid Flow	Types of Fluid Flow, Path link	by !	. 3 in . 12 -	
			Bernoull's thewrem for ideal fluid, principle of operation.	. le-	-\$	
4			of work of a west of the water		#	
			and phot tube. Derivation for chischarge, coefficient of discharge and simple numerical problems.	. 1	\$ // (1) -	
	1.9.27	Flour through	Laminer and turbulent thou; Paley's egn and chezzli egn. far friction losses, Min or bases in pipes,			

proved from concerned HOD within seven days from beginning of semester & will be kept with the concerned teacher

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riod Nos.	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
A service to the service of the serv		Hydraulic gradient and tool gradient line, simple numerical problems to estimate losses only.			
5. 28 - 36	III Impact of Jels	Impact of Jet on fixed virtic moving virtical floot plates, impact of Jets on curvictorians with special reference to stutioines, Simple numerical on workdone a efficiency			\$345.
6. 37-4	6 Hydraulic Turbine	Layout of Hydralcestice spower plant, Features of Hydro electric power plant classification of hydraulistication of hydraulistication of turbine on d	2		i de la

Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

Period No.	Topic Covered	Instruction n Reference	Additional Study recommende d	Remar ks
2.5			Ž. 13.	
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P		Nechamical EngSubject for Duration	words -	mies & Hydr Herks	dulic .
LABUS	Total Periods	56 Theory 5	56	Additional	Remarks
Period Nos.	Topic	Details	Reference	Study Recommended	Kemario
		pelton francis and ropland turbines Direct tubes type and construction, concept of cavitation in turbines calculation of work done Power, efficiency of turbines	Fluids mechanics tydraulie machines by SS. Ratton	The state of the s	
47-50	v contrological	Principle of working 4 applications, Types of caseys	R.K.Bans	alej (11 - 1 ⁻¹)	
		and impellers, concept of multistage, concept of himing and countration manometric head, workdone monometric efficiency, overall efficiency.			
51-56	Reciprocoting Permps	a- 1 tour film beach	n in the	The state of the s	

proved from concerned HOD within seven days from beginning of semester & will be kept with the concerned teacher

riod Nos.	Topic	Detnils	Instruction Reference	Additional Study Recommended	Remarks
		pumps, concept of		i	
		acting reciperocoting pumps, concept of slips, Negative Slup Cavitation and separation	314 814	数 外 4	,
				N. Again	(lair
	*	9284.4640V		1 5	
	yaras 2 mg		2 of 2		~
			1 408 10	h. 2017	A MARIE

atomic services

Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

Period No.	Zana Zyana	Topic Covered	Instructio n Reference	Additional Study recommende	Remar ks
	1			disa11	Æ.

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ects (if	required).	1 100		

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P	Department:				Jud I ne		
ingra	Course frog	namcore	00		14-Week	1	300
.LABUS \'ERAGE	Total Periods	56.	Theo	THE SELECTION OF THE SECOND			-
Period Nos.	Topic	Details	N. P.		Instruction Reference	Additional Study Recommended	Remarks
1-14	J. J. J. Frances	Prolity To Vice Ing In design This Boring Fixtures Tomuples a Champing I Champing I Champs, H	landling Terdoring Ight eneral Canada Uniga, Printo Tixthere Mulli Proceedings The Cathonia The	Iniversal Top, mother in the ush, Types of use fixtures, Basic to cally nothing with so of the upper strapcland	doen Adilian	9 F-	
5-25 P		Mediany Tours	outsing, con ransfer you which course ing, sow m	mpression uding. Exhadr	Maure House		
M	oce 27 co	of onlying	wire and it	ont Application Electricals of Abrosive alining	vig		
-45 Cr	inula	dxic Idea	ndrution	of policy of feature m, Electron			

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marchance of Promuples of spry design.	
maintanance of Principles of spy design.	
Machine work Types of Mantenance, Repair	
mantenance manual, Mantenance records, Housek up by to production	

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Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

Period No.	Topic Covered	Instructio n Reference	Additional Study recommende d	Remarks
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Additional sheets (if required).

GPK-F-17

PLANNED SYLLABUS COVERAGE(Theory)

P Department: Mechanical Engo, Subject OE-1 (Vehicular Syptem) ingra Course Diploma Duration LABUS Total Periods 14x4 = 56 Theory 56 ERAGE Period Nos. Topic Details Instruction Additional Remarks Reference Study Recommended Types of Automobiles, different layout of vehicle Introduction chasis, frame and body, spark rightim (SI) & compression lightimed cylinders - arrangements Automotive Liners, piston, connecting red, cranksheft, valve, parts and their relative ments mechanisms Clube + type and construction Transmission of single plate cluber, propeller shaft, slip soints, universal joints Differenticel and rear axele. Requirements, leaf spring, Types of brakes, mech. and hydroidlic braking

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syptem, brakehoe away			VAN - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Antibek-Braking system, purpose and operation of antibek braking system, antibek braking system. Airbags seatbelts, Coumple zones, autive safety system - Automatic Driver applied system - Automatic System, Anti collision system, Anti collision system - course control Husting, ventillation and CHIMAC), autonomous Driving	rol syptem, IAC nving		
	Antibek-Braking systems, purpose and operation of antibek braking systems antibek braking systems. Airbags seatbelts, coumple zones, custive safety system. Automatic Driver applets by them. Automatic system, Anticollisism system, Anticollisism system, anticollisism system. Travetim cantisty tem - course control Husting, ventillation and CHAME, autonomous Driving coirs - Level of Driving	Antibek-Braking system, purpose and operation of antibody braking system passive safety offens. Airbags, seathelts, Coumple zones, creative safety system - Automatic Driver asolot system, Automatic Driver asolot system, Anticollision system, Anticollision system, Anticollision system, anticollision system, anticollision control system, ventillation and AC CHIMAC), autonomolus Driving consideration curio acconsideration curio accordination curio acconsideration curio acconsideration curio accordination curio acconsideration curio acconsideration curio accordination curio acconsideration curio accordination curio accordinati	Antibele-Braking system, purpose and opciation of antibele braking system passive safety systems. Airbags seathelts, Coumple zones, autive safety system - Automatic Driver applied system, ABS, reverse parking system, Anticollision system, Anticollision system, Anticollision system - Cruise control system, Heating, ventillation and AC CHMAC), autonomora Driving

Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

Period No.	Topic Covered Whyleten St. School Sc	Instruction n Reference	Additional Study recommende d	Remar ks
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ngra	Course Dip				14 We		
LABUS	Total Periods	56	Theory _		1.125/140		
Period Nos.	Topic	Details		PA STA	Instruction Reference	Additional Study Recommended	Remarks
1+010	unit-I Introduction to Rejuguation	unito	ition of Re Rejeiguestin Lagriguestin	ig effect	135 0	324.73.	
		cycle,	ernot refug dis refug oleman cy	ciation,		4	
	The latest and the la	PY& T advar tages	ntages a di	am usadvan regeran		100-13	
	344	Cain	e problems of refugea	tionlyck		a samoT a	
1140 23	unit -II Refugation Gystems	n aagu	am of work	in cycle	i		
		vapor	sentation of ou compelia on Prix Ts scrim for se	scion stagra	Office Control of the		
		effect, Type	of vapou cos	or requi	ion		4
		actin	, Effects of g & subcool intages & ou simple vap	ling, Like	4		
		prio	ns aycle and	of lits fi	100		

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eriod Nos.	Topic	Details A.	Instruction Reference	Additional Study Recommended	Remarks
263		diagram, companishon of Vapour absorption a vapo compression system.	u .	and a se	
037	umit-III Refuguation Resupments:-	cally sealed complesses,		161-1	
		condensels: - Air cooked, natural and tolcook draw cooking system Advanta	are si	,	
		and water cooled condenses to proporators - natural convection, forced con vec	948		海也
	aejuguant a suoricant	strontypes. Sintroduction to Refugerants, Respecties of a good	2	1	

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Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

Period No.	Topic Covered	Instruction n Reference	Additional Study recommende d	Remar ks
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quired).	1 11 17 17 17	The state of the s

ditional sheets (if required).

P	Department:	Meen Bryg Subject Ele	monte	MR RAC
ngra	Course \$1/		14 Nee	
LABUS	Total Periods			
Period Nos.	Topic	Details	Instruction Reference	Additional F Study Recommended
		refriguents, classification	1.	334 (4.4
		of sejinguants deabage, charging the system with rejugeant, Lussi-		
		ants used insufrigation of their properties.		
38 to 46	Rejugeant towcontrol	Expansion valve, The como-	i	164 6
		Hout valve, Solemoid valve		Section 1
	Appli cation	regulator prassure		
	ofletiguation	storage of Frojen		
		tion, Ice making Indus-		
47 to 56	unity:- Aircondition	In Wooduction to Avicend-		382.73
		ationing factor a ffecting our conductioning, build also prion of DBT, WBT, APP and ILSUSE, Rychometus	9	
		and its use, by chome tus		

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eriod Nos. Top	and Lyder	Details	Instruction Reference	Additional Study Recommended	Remarks
387	191211111	places - SH& CH, Humi- diffication & dehumidiff		mo's A By	
	3	cation, cooling & dehum idification, steating & hu	AND SAN SERVICE	Alle J	
light control of		onabove psychiomelic	K		l se
		Benometric chart Esun		4	
Rey	Refrigerations Air conditions	Olitioning cycle	(C) (A)		
ALA		Tools used in Refligeration & Aic conductioner Insta- lation, Installation peo- cedus			
		cedure, servicing pro-	3115345		

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Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

Period No.	Topic Covered	Instruction n Reference	Additional Study recommende d	Remar ks
	American and annual color	in the second	da m	47.74

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Additional sheets (if required).

g P Kar	igra	Course Diploma		Engg. Subject Theory of Machines. Duration 3 Years			•
YLI	LABUS ERAGE	Total Periods	E-2100 70 1	Theory	701	T. canada d	0
ir. No.	Period Nos.	Topic	Details		Instruction Reference	Additional Study Recommended	Remarks
1	1-10	Cam and tollowers	and app and follo Classifica and follo Different and their Diagrams velocity	wers; tollower motion Displacement like Uniform SHM, uniform	Tricocy of Maduni		
2	. 11 - 24	Power Trans	radial confined to without to chy me Michael & 4M one & 54M one of the color of the	om with knote of receipt of on (grapuce)	Bonsad, Loxmi pulliche		

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Sr. No.	Period Nos.		Details	Instruction Reference	Additional Study Recommended	Res
	, Fr. 17.	3 7000	transmission (without approx)	21.9		(
		to1	chain drives advantage			
			Gear drive - Spar ges			
			gears and year frains			
			Train value and velocity ratio for simple and/			
		*	Compression of the state of			

Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

Sr. No.	Period No.	Topic Covered	Instructio n Reference	Additional Study recommende d	Remar ks

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G P Kangra SYLLABUS COVERAGE		Department: Mech Ery Subject Theory of Machine & M. Course Diftome Duration 3 Years Total Periods To Theory Fo					
Sr. No.	Period Nos.	Topic	Details		Instruction Reference	Additional Study Recommended	Remarks
3.	25 - 41	fly Wheel and Governor	J. C. Englacy. The harm of comments significant of comments.	incept, funch on when of fly when he of fly when he stroked is 4- Stroked in contract of fluctures of flow about with the (Contract); Concept formind by from parison b/w and Governors;			
u.	42-57	Break Cluber and Bearing	function of B Brakes; Con Brakes an Construct on Shee Break Lucking of Sc Brooks: Cla Chill ond Construction of Single plate Contrigued. Cla Received. Single	mparison b/W of Dyn amometry and Dyn amometry and Dreak, Concept of self If energizing teh - function Its applicated not working of Multiplate che Lite 4, come class The pivot, colle Micoel Pivol.			

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Sr. No.	Period Nos.		Details	Instruction Reference	Additional Study Recommended	Re
ζ.	58.70	Ralaning and	Baloneing of Salaneing. Baloneing of Single rotation mans; Graphical Method Balancing of Several Manses Revolving in some plane; With ahm and in type of Conecpt of Dampit;			
			Course of vibiation in Machines, Their Marinful elech and Remedies			
			practices; Their Morenful effects and Remedies			

Extra Topics to be covered beyond the scope of the syllabus (as required by industry/ as recommended by Teacher which he/ she finds necessary)

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