SYNERGY SCHOOL OF ENGINEERING, BANAMALIPRASAD DHENKANAL

	Park the second of the second of	DEPARTMENT OF MINING ENGINEERING LESSON PLAN
Discipli ne: MININ G	Semeste r: 6TH	. Name of the Teaching faculty: BISWAMBAR MAJHI
Subject : MINE	No of Days/ Wee	Semester from Date:16/01/24 To Date:26/04/24 No of weeks:15
MACH INERY -11	k class alloted: 4	
Wee k	Class Day	Topics
	1st	Describe constructional features of electric coal dril
1st	2nd	Describe constructional features, operation of electric coal dril
	3rd	Describe constructional features, operation, principle & use of electric coal dril
	4th	State types of drill rods &drill bits used in electric coal drill
	1st	State types of drill rods &drill bits used in electric coal drill
2nd	2nd	Describe basic constructional features of gathering arm loader
2114	3rd	Describe basic constructional features of scraper loader
	4th	Describe basic constructional features of side discharge loader
,	1st	Describe basic constructional features of load &haul loader
3rd	2nd	Describe basic constructional features & operation principle of jack hammer drill
	3rd	Describe basic constructional features & operation principle of air leg rock drill
	4th	Describe basic constructional features & operation principle of road header
	1st	Describe basic constructional features & operation principle of road header
4th	2nd	Describe basic constructional features & operation principle of Shearer loader
	3rd	CLASS TEST-1 Describe hasis constructional factures franciscon principle of Sharrar leader
	4th	Describe basic constructional features & operation principle of Shearer loader
5th	1st	Describe basic constructional features of surface miner
	2nd	Describe basic constructional features of dragline
	3rd	Describe basic constructional features of shovel
	4th	Describe basic constructional features of BACKHOE
6th	1st	Describe basic constructional features of bucket wheel excavator
	2nd	Describe basic constructional features of dumper
	3rd	Describe basic constructional features of dozer
	4th	Describe basic constructional features of scraper
7th	1st	Describe basic constructional features of road grader
	2nd	Classify mine pumps
	3rd	Describe constructional features, working & use of ram pumps
	4th	Describe constructional features, working &use of ram pumps
8th	1st	Describe constructional features, working &use of ram pumps
	2nd	INTERNAL-1
	3rd	Describe constructional features of centrifugal pump

	/	the street of the	lst	State principle of centrifugal pumps &its applicability
/	9th	7.700	nd	State principle of turbine pumps &its applicability Explain balancing the pumps &its applicability
			rd	Taria Balancini in a vini themand C.
			<u>th</u>	
		1s		Transcribed proplems on contain
	10th	2r 3r		Transcritted Diffillating on time!
			_	- see tibe constructional features and models - 1 1 1 2
		4tl		CLASS TEST 2
		1st 2nd		Describe constructional features and working principle &use of roto pump Describe constructional features superking principle &use of roto pump
	1th	3rd	_	
			_	- Constitutional lealitres killionismy principle of the
121		4th		The source of Suspension in chaff
		1st	-	Describe constructional features & working of hors halo and a
	2th	2nd	_	= sorribe constructional features formaling of 1 1
		3rd		state installation of bore hole nump
_		4th	-1-3	State types of pipe &valves used in Mines
	ŀ	1st	1	Describe constructional features of various type of values
13t	h	2nd		rescribe constructional features of various type of valves
	-	3rd	\rightarrow	rate and describe various types of pines joints
	\dashv	4th	٦3	tate and describe various types of pines joints
	-	1st	$+$ $^{\nu}$	escribe supporting of laying main pines in shaft
14th	ı H	2nd	$+$ $^{\nu}$	Ascuss the Pipe line layout
	-	3rd	IN	NTERNAL 2
-	-	4th	Pl	REVIOUS YEAR QUESTION DISCUSSION
	· _	1st	RI	EVISION/DOUBT CLEARING CLASSES/REMEDIAL CLASSES
15th	L	2nd	RE	EVISION/DOUBT CLEARING CLASSES/REMEDIAL CLASSES
1001		3rd	RE	EVISION/DOUBT CLEARING CLASSES/REMEDIAL CLASSES
		4th	RE	EVISION/DOUBT CLEARING CLASSES/REMEDIAL CLASSES
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			RE	COMMENDED BOOKS
SL	N	ame of	7.	= 0 0 110
NO.	Aı	Author		Title of Books
1	нс	ottor		
		H.Cottor		Electrical equipment in Mine
2		Desmu kh &		Winning and Working of Iron Ore
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	kh	,		
3	DJ.	Des		EMTT-1 777
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Signature of Faculty