



TRADE MARK

LIONTM

Teacher's Lesson Note

2023-24

MECHANICAL ENGINEERING

4th SEMESTER

UTTAM KOMAR NAIK

MFT

TEACHING

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Type (Concept)	Sub-Concept	Learning Activities to be taken up	TLM to be used
06-02-24	1st	1st		Manufacturing Technology	Tools & Materials	Composition of various tool materials	
08-02-24	2nd	2nd				Physical Properties & use of such tool materials	
09-02-24	3rd	3rd				Cutting action of various tools such as chisel	
10-02-24	4th	4th				Action of dies, blade, hacksaw, Reamer	

LESSON NOTE

9	10	11	12	13	14
Evaluative Questions	Expected learning outcomes	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
	Discussion Various Tool materials	Physical Properties	06/02/24	06/02/24	
	Types of Cutting Action		08/02/24	08/02/24	
	Hacksaws Reamer and dies		10/02/24	10/02/24	

TEACHING

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
22-12-24	1st	1st	1st	Turning tool geometry & purpose of tool angle.			
22-12-24	2nd	2nd	2nd	Machining Process Parameters			
22-12-24	3rd	3rd	3rd	Coolants & lubricants in machining & Purpose			
23/12/24	4th	4th	4th	Revision classes,			

LESSON NOTE

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Types of Tool Angle				
	Machining Parameters				
	Lubricating Oil				
	Discussion Previous Topic				

TEACHER'S

LESSON NOTE

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
1	2	3	4	5	6	7	8
				Lathe Machine		Major components of a lathe & their functions	
						Different operations in lathe Machine.	
						Revision classes	
						Class Test	

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Types of Lathe m/c		Ull 25/12/21	26/12/21	
	Types of Operation		Ull 25/12/21	26/12/21	
	Class Revision		Ull 25/12/21	26/12/21	
	Class Test		Ull 25/12/21	26/12/21	

TEACHING

LESSON NOTE

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
1	2	3	4	5	6	7	8
12/12/2019	1st	1st		Lathe Machine		Safety measures during Machining	
12/12/2019	2nd	1st		Capstan Lathe		Difference with respect to engine lathe	
12/12/2019	3rd	1st				Major components & their function	
12/12/2019	4th	1st				Define Multiple tool holders	

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Drawing (machining) upto to safety		12/12/2019	12/12/2019	
	Engine Lathe		12/12/2019	12/12/2019	
	Function and Components		12/12/2019	12/12/2019	
	Multiple Tool holder		12/12/2019	12/12/2019	

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	T.M. to be used
11/03/24	1st	1st		Turned lathe		Difference with respect to capstan lathe	
12/03/24	2nd	2nd				Major component & their function	
20/3/24	3rd	3rd				Draw the tooling layout for preparation of a hexagonal bolt & bush	
22/3/24	4th	4th				Revision class	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
	Capstan lathe and turned parts		11/03/24	16/3/24	
	Components and function		12/03/24	19/3/24	
	Diagram of hexagonal bolt & bush		13/03/24	20/3/24	
	Revision class		14/03/24	22/3/24	

TEACHERS

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
23/9/24	2 nd Week	1 st		Shaper		Potential application areas of a shaper Machine.	
23/3/24	2 nd Week	1 st				Major components & their Function	
2/4/24	2 nd Week	1 st				Explain the automatic able feed Mechanism	
2/4/24	2 nd Week	1 st				Revision classes	

LESSON NOTE

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Potential application areas of a shaper Machine		23/9/24	23/9/24	
	Major components & their Function		23/9/24	23/9/24	
	Explain the automatic able to feed Mechanism		23/9/24	23/9/24	
	Revision class		23/9/24	23/9/24	

TECHNICAL

LESSON NOTE

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
3/4/24	7/4/24	10/1				Explain the construction & working of tool head.	
3/4/24		10/1				Explain the quick return mechanism through sketch.	
4/4/24		10/1				State the specification of a shaping Machine	
4/4/24		10/1				Revision classes	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
	Explain the construction & working of tool head		<i>[Signature]</i>	<i>[Signature]</i>	
	Explain the quick return mechanism through sketch		<i>[Signature]</i>	<i>[Signature]</i>	
	State the specification of a shaping Machine		<i>[Signature]</i>	<i>[Signature]</i>	
	Revision class		<i>[Signature]</i>	<i>[Signature]</i>	

TEACHERS

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
9/4/24	1st	1st		Planning Machine		Application area of a planer & its difference with respect to shaper	
9/4/24	2nd	2nd				Major components & their functions	
9/4/24	3rd	3rd				The table drive Mechanism	
						Revision classes	

LESSON NOTE

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	App ⁿ area of a planer & its difference with respect to shaper		<i>[Signature]</i>	<i>[Signature]</i>	
	Major components & their functions		<i>[Signature]</i>	<i>[Signature]</i>	
	The table drive Mechanism		<i>[Signature]</i>	<i>[Signature]</i>	

LESSON NOTES

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LESSON NOTE

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14

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9	10	11	12	13	14

LESSON NOTE

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
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10					
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9					
10					
11					
12					
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14					

LESSON NOTE

Evaluative Questions	Expected learning outcomes	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	1

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LESSON NO. 1

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