



TRADE MARK

LIONTM

Teacher's Lesson Note

2023-24

NAME :- UTTAM KUMAR NAIK
BRANCH :- MECHANICAL
ISEM :- 3RD (2ND YEAR)
SUB :- PRODUCTION TECHNOLOGY



LESSON NOTE

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9					
Discussion Previous class	Definition and Classification Extrusion process		<i>[Signature]</i> 17/10/23	<i>[Signature]</i> 17/10/23	
	Rolling process		<i>[Signature]</i> 17/10/23	<i>[Signature]</i> 17/10/23	
	Forging Process and Wire drawing		<i>[Signature]</i> 17/10/23	<i>[Signature]</i> 17/10/23	
	Different Rolling Mills		<i>[Signature]</i> 17/10/23	<i>[Signature]</i> 17/10/23	

LESSON NOTE

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9					
10	Types of Rolling Mills Hot Rolling Cold Rolling Discussion on - Advantages - Disadvantages Welding Classification		S.K. Mehta 28/06/23	S.K. Mehta 28/06/23	
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
9	Flux used in welding				
10	Welding process				
11	Types of Tigress				
12	Advantages of Tigress				

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
DIM Pencil 2000g	Electrode wires	DIM F.	[Signature]	[Signature]	
Pencil 2000g	Metallic wires	DIM F.	[Signature]	[Signature]	
Fine Pencil 2000g	Clean metallic wire	[Blank]	[Signature]	[Signature]	
[Blank]	Discussion	[Blank]	[Signature]	[Signature]	

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
What are the different types of welding processes?	TIG Welding Process		[Signature]	[Signature]	
What are the advantages and disadvantages of MIG welding process?	MIG Welding Process		[Signature]	[Signature]	
What are the advantages and disadvantages of Stick welding process?	Stick Welding Process		[Signature]	[Signature]	
What are the advantages and disadvantages of Laser welding process?	Laser Welding Process		[Signature]	[Signature]	

TEACHERS

LESSON NOTE

Date	Period	Subject	Topic (Content)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
15-11-23	1st	Met			Class Test	
16-11-23	2nd	Met			Define Casting & classify the various Casting Processes.	
17-11-23	3rd	Met			Explain the Procedure of Sand Mould Casting	
18-11-23	4th	Met			Explain different types of molding sands with their composition & properties	

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
What are the different types of casting?	Test		U. S. S. S.		
What are the different types of casting?	Test		U. S. S. S.		
What are the different types of casting?	Test		U. S. S. S.		
What are the different types of casting?	Test		U. S. S. S.		

TEACHERS

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
17-11-20	1st					Classify different pattern & state various casting pattern allowance	
20-11-20	2nd					Core classify core.	
21-11-20	3rd					Describe construction & working of cupola furnace	
24-11-20	4th					Describe construction & working of crucible furnace	

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
Describe different types of casting pattern allowance	Describe different types of casting pattern allowance		Dr. S. S. S. S.		
Describe different types of casting pattern allowance	Describe different types of casting pattern allowance		Dr. S. S. S. S.		
Describe different types of casting pattern allowance	Describe different types of casting pattern allowance		Dr. S. S. S. S.		
Describe different types of casting pattern allowance	Describe different types of casting pattern allowance		Dr. S. S. S. S.		

TEACHERS

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
25-11-22	8-11st				Die Casting	Explain Die Casting Method.	
30-11-22	9th				Centrifugal Casting Process	Explain Centrifugal Casting	
01-12-22	10th				Explain various casting defects with their causes & remedies.		

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
Explain various casting defects with their causes & remedies.	Explain various casting defects with their causes & remedies.				
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Explain various casting defects with their causes & remedies.	Explain various casting defects with their causes & remedies.				

LESSON NOTE

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TEACHERS

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
	10th	10th			Centering	Explain Centering	
	9th	9th			Experiments of Powder Metallurgy		
	9th	9th			Revision classes		
	10th	10th			Class Test		

LESSON NOTE

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
1. What is the purpose of centering? 2. What are the factors affecting the centering? 3. How is the centering achieved?	1. To understand the importance of centering in the manufacturing process. 2. To identify the factors affecting the centering. 3. To develop a plan to achieve the centering.				
1. What is the purpose of powder metallurgy? 2. What are the advantages of powder metallurgy? 3. How is the powder metallurgy process carried out?	1. To understand the importance of powder metallurgy in the manufacturing process. 2. To identify the advantages of powder metallurgy. 3. To develop a plan to carry out the powder metallurgy process.				
1. What is the purpose of revision classes? 2. How are revision classes conducted?	1. To revise the concepts learned in the previous classes. 2. To identify the areas of weakness and improve them.				
1. What is the purpose of the class test? 2. How is the class test conducted?	1. To assess the understanding of the concepts learned in the previous classes. 2. To identify the areas of weakness and improve them.				

TEACHERS

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
	Week 1/14				Press Work	Blanking & Piercing Process	
		2nd				Trimming Process	
		3rd				List various types of die.	
		4th				List various types of Punch	

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
What are the different types of die?					
What are the different types of punch?					
What are the different types of blanking & piercing process?					
What are the different types of trimming process?					

TED (ALPS)

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
Week 1st							
						Explain Sample Dies	
Week 2nd							
						Explain Compound Dies	
Week 3rd							
						Explain Progressive Dies	
Week 4th							
						Describe the various advantages & disadvantages of above dies	

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
Q1. Define die casting.	Q1. Define die casting.				
Q2. List the advantages of die casting.	Q2. List the advantages of die casting.				
Q3. List the disadvantages of die casting.	Q3. List the disadvantages of die casting.				
Q4. Explain the various types of die casting.	Q4. Explain the various types of die casting.				

TEA (H.E.R.S)

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
	Week 13th	1st			Tip & Fixture	Define Tip	
		2nd				Define Fixture	
		3rd				Revision class	
		4th				State Advantages of using Tip	

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
Q1. Define Tip & Fixture					
Q2. State Advantages of using Tip					
Q3. Define Fixture					
Q4. Revision class					
Q5. State Advantages of using Tip					

TEA (HCB)

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
	1st					State the Principle of locations	
	2nd					Revision classes	
	3rd					class Test	
	4th					Previous Year Question & Answer Discussion	

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
What are the different types of locations?	to be able to identify the different types of locations.				
What are the different types of locations?	to be able to identify the different types of locations.				
What are the different types of locations?	to be able to identify the different types of locations.				
What are the different types of locations?	to be able to identify the different types of locations.				

LESSON NOTE

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