



**LESSON PLAN-(SUMMER-2024)**  
**SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR**

Discipline- MECHANICAL	Semester-4TH	Name of teaching faculty- Er. A Nayak
Subject- MT	No class allotted/ per week -4	SEM From date- 16.1.2024 TO 26.4.2024 No of weeks- 15
Week	Class day	Theory Topics
WEEK 1	16.01.2024	TOOL MATERIALS
	17.01.2024	PHYSICAL PROPERTIES
	18.01.2024	CUTTING TOOL ACTION, CUTTING ACTION
	22.01.2024	ASSIGNMENTS
WEEK 2	23.01.2024	GEOMETRY OF CUTTING TOOL
	25.01.2024	ANGLES FOR DIFFERENT TOOL MATERIALS TO BE MACHINED
	29.01.2024	SPEED,FEED
WEEK 3	30.01.2024	COOLANT, LUBRICANT
	31.01.2024	TOOL GEOMETRY OF
	01.02.2024	LATHE OPERATIONS
WEEK 4	02.02.2024	LATHE OPERATIONS
	05.02.2024	SAFETY PRECAUTION
	06.02.2024	CAPSTAN LATHE
	08.02.2024	MULTIPLE TOOL HOLDERS
WEEK 5	09.02.2024	TURRET LATHE
	12.02.2024	TURRET AND CAPSTAN LATHE
	13.02.2024	TURRET INDEXING HEAD
	16.02.2024	HEXAGONAL BOLT AND BUSH
WEEK 6	19.02.2024	ADVANTAGES
	21.02.2024	FEED MECHANISMS
	22.02.2024	APPLICATION & INTRODUCTION OF SHAPER MACHINE
	24.02.2024	COMPONENT OF SHAPER MACHINE
WEEK 7	26.02.2024	SHAPER MECHANISM
	27.02.2024	TOOL HEAD
	28.02.2024	QUICK RETURN MECHANISM
	29.02.2024	SPECIFICATION
WEEK 8	01.03.2024	PLAINING MACHINE
	04.03.2024	TABLE DRIVE MECHANISM
	05.03.2024	TOOL AND TOOL SUPPORT
	07.03.2024	CLAMPING OF WORK
WEEK 9	11.03.2024	ASSIGNMENTS
	13.03.2024	MILLING MACHINE
	14.03.2024	WORK HOLDING ATTACHMENT
	15.03.2024	DIVIDING HEAD
WEEK 10	18.03.2024	UNIVERSAL DEVIDING HEAD
	20.03.2024	SIMPLE INDEXING
	21.03.2024	COMPOUND INDEXING
	22.03.2024	DIFFERENT PROBLEMS
WEEK 10	27.03.2024	INDEXING
	28.03.2024	SLOTTER

WEEK 11	29.03.2024	CONSRTUCTION AND WORKING
	30.03.2024	VARIOUS TOOLS
	01.04.2024	SIGNIFICANCE OF GRINDING .
WEEK 12	03.04.2024	GRINDING WHEEL
	04.04.2024	CRITERIA FOR SELECTION OF GRINDING WHEEL
	08.04.2024	SPECIFICATION , CYLINDRICAL GRINDER
	09.04.2024	SURFACE GRINDER
	10.04.2024	CENTERLESS GRINDER
WEEK 13	11.04.2024	DRILLING
	12.04.2024	BENCH DRILLING
	15.04.2024	PILAR DRILLING
	16.04.2024	RADIAL DRILLING MACHINE
WEEK 14	19.04.2024	BORING,BROACHING
	20.04.2024	SURFACE FINISH
	22.04.2024	LAPPING
	23.04.2024	ASSIGNMENTS
WEEK 15	24.04.2024	CH-1,2,3,4 & 5 REVISION & IMP QUESTION DISCUSSION
	25.04.2024	CH-6,7,8,9 & 10 REVISION & IMP QUESTION DISCUSSION
	26.04.2024	CLASS TEST OF ALL CHAPTERS

HOD SIGN.

H.O.D  
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S V S.E.T., Madanpur

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