MIT - WORLE	D PEACE UNIVERSITY
F.Y. B. TE	C.H) ·
	Subject: Bossi Mechanical
Prêmestre - I	Engineering.
Name: Krishnagaj Thadesas	División: 9
Keil: 109054	Batch: I3
Experiment: 3 Name of Experiment: Demons	skation of various operations
a Lathe machini	
Pajorned on: 2nd september Submitted on: 9th September	2021
Submitted on . The Syptember	2021
boxing tape turning knust	ling, glooning, threading e
boring, tape turning, knust on a centre lathe Machi	ovrations such as Turning, foliage, growing, threading control
on a centre lathe Machi Theory:	ne ·
Theory: A phoduit & made up of	_ many components which are
Theory: A product & made up of manufactured over by var	ne. many components which are where processes such as
Theory: A product & made up of manufactured over by var casting, Jorging, vidoling, man	ne. many components which are whose processes such as hining ett. depends on the
Theory: A product is made up of manufactured over by var casting, joiging, odding, made application and cost of that	ne. many components which are whose processes such as hiring etc. depends on the partially component. These
Theory: A product & made up of manufactured over by var casting, Jorging, vidoling, man	ne. many components which are whose processes such as hiring etc. depends on the partially component. These
Theory: A product is made up of manufactured over by var casting, jorging, wilding, main application and cost of that can be done on a centre la	ne. many components which are alous processes such as hining etc. depends on the particular component. There when Machine.
Theory: A product is made up of manufactured over by var casting, jorging, wilding, made application and cost of that can be done on a centre la Lathe: is a markin tool which	ne. many components which are wous processes such as hining etc. depends on the particular component. There with Machine. rotaty the work piece of
Theory: A product is made up of manufacturing over by var casting, jorging, videling, main application and cost of that can be done on a centre la Lathe: is a marken tool which it aris to preform varie	ne. many components which are wous processes such as hiving etc. depends on the particular component. There with Machine. rotaty the work piece of how operations such as cutter
Theory: A product & made up of manufactured over by var casting, jorging, odding, made application and cost of that can be done on a centre la lathe: is a marken tool which it aring to preform varients and cost of shelling.	ne. - many components which are vious processes such as hiring etc. depends on the partialle component. There with Machine. Rotaty the work piece of such as cuttered deformation with tools. Hot
Theory: A product & made up of manufactured over by var casting, jorging, odding, made application and cost of that can be done on a centre la lathe: is a marken tool which it aring to preform varients and cost of shelling.	ne. - many components which are whose processes such as hining etc. depends on the particular component. There with Machine. The Machine. The work piece of a cutter of deformation with took. Hot work to water an object which which is took.

	enamples of objects that can be made on a lather
	to all chick needers - get
	bouls, tuble legs, baseball bats, musical instruments
	crant shaft etc.
	Lathe Operation's:
	The Variation of tool ends and a kinematic
and the second s	Relation between the tool and work place mount
	is different operation on a lathe. Some on
	explained below:
	To e . Te e
	Turning: This is the basic operation of Lather
	Markin to produce cylindrical surfaces. The tool is fed parallel to the rotating work anis to
	create cylisdrical Lunfaus.
2	Fairing: The tool is ged radially isto the estating
	work on one end to seate a flat surface.
(3)	Taple Turning: Instead of fleding the tool
	parallel to the any of rotation of the work,
	the fool is jed at an angle, thus creating a
	tapied cylinder of conicd shape.
(4)	Champering: The cutting edge of the tool is used
	to cut an argle of the coine of the cylinder forming
	what is called a champer.
5	Knusling: It is a metal forming operation used to
	produce a signed cross hosteled post pattern on
	the work surface.
Rainbow	

	components of a Lather Madrice and their functions:
g	ed: Almost all lather have a horizontal bean called as bed. It has guide ways on it
- +	or sliding and supporting tail stock and cornage
2 He	ad stock: At one end of the bed (mostly left) a head stock. It contains drive mechanism
La Îd	ifferent speeds. It is also having a churk used to
can	ail stock: It is pland opposite to headstock. It non along guide ways. Its main applications are hold long for to avoid vibrations and enusain
d-4 1002	ormation and for devilling arrial holes in the in prince. It can also hold took such as drilly, mul, etc to drill, scam etc.
tai	deriage: It is located between head stock and elstock. It can be moved in any direction horizontally, and can be firsted in any position. It has the
U	louing parts: i. laddle: Base Portion located auross bed. cessius cross slide and bool post.
	ii. Appron: It is attacked to the saddle and appears as harging on the floor side. It consists gears for motion transmissions.
	iii. Cross shide: It is mounted on top of saddle and als as support to compound sect.
	iv. Compound rist: It is mounted on a cross stille
uinbow	y solly my 1- p sales.

THAT MINE ESTEET MANY CHOOSE	V. Fool Past: It & used to hold the tool position.
AND TO THE THE PROPERTY WHICH IS NOT THE STATE OF THE STA	as per requirement.
	Contluction !
	The components, working and applications
	of the Lathe were studied.
Notice Report Control (No. Cont	
November (Section Control Cont	Lathe is a marine which notity the work
	pieu on its anis to perform Nations operations.
	The major operations on the latter operation mairing
	were studied and understood. Operations like
Americanic Contraction of Soft Contraction Contraction Contractions (Contraction Contraction)	Turning, Failing, Champering, Tapie Turning, perthing,
	Knusling ser studied in detail.
	Questions
<u> </u>	
A .	1. Centre Lathe Mauhlm
Company of the Compan	2. Speed Lotte Machin
	3. Bench Lathe Machin
	4. Tool noom Lath Machine
	5' Capitan and Trusct Lathe Machine.
6	Hand 8. 68 D. a. 1-4. Con. 81.8 1. 2
<u> </u>	How is size of a latte Specified ?
Α.	1 other 100 is the 100 is
	Lathe size is the dimension of the larget
	affinder that can be machined on it. Two main dimensions frequently iscluded in cathe Model code are:
	1. Distance between church and Tailtook
	11. Man diametry of detail (a) Dris Lathe Bed
Rainbow	(b) Our carriage.

3.	What are the different components mounted on a Lathe?
	Explain any 2.
_A-	The components of a carriage are:
	i · Saddlı
	2. Cross-slide
	3 Apron
	9. Compound Rect
Hand of the State	5. Tool-Post
\rightarrow	Saddle 9 the base postion located between handstock
	and tailitoik across lashe bed and cassics cross
	stide and tool post. It can be moved longitudinally
	along the bed.
\rightarrow	Cross slide: It is mounted on top of the saddle
	and acts as support to compound kut.
,	
inbow	보면 하면 되었다. 그리고 한 경기에 가장 되었다. 이 이 사람들이 되었다. 그리고 있다. 그리고 있다. 그리고 있다. 그리고 있다. 그리고 있는 경기를 통해 하면 되었다. 2010년 1일 10 10 10 10 10 10 10 10 10 10 10 10 10

