Familarization with workshop

Quiz 1

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Subject -Mechanical workshop

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Familization With Workshop
Llassify types of workshops along with major activity performed in it.
two words according to Mr. webster
· Workshop = Work + Shop? (SIZVII) The work is done by a group with logical PHYSICAL + Intellectual (OILEUS) = ENTHUSIASM
- Classification of work-shoop.
WORK-SHOAP (WS)
TRAINING (WS) activity done Carpentry & Pattern Shop Fitting Shop Forging or Smithy Shop Foundry Shop Tras parting (completed produt) Tras porting (Row material) Machin Shop Supervising the work PRODUCTION (WS) activity done Working himself Observing the work Tras parting (Row material) PRODUCTION (WS)

NAME: Paga No. 1 Yours yours
12 After visiting your workshop enlist diffrend type of shops it has.
D Visited workshop
TRAINING (WS) PRODUCTION (WS)
The group of people The task is given to the group people to applied the thing
I which they have
PATTERN SHOP According to six note
· Horking with woods · Types of woods
· Suitability of woods for diffrent work · Diffrent kinds of Jain of woods · Diffrent pattern in woods
· How to make that pattern · where to use that pattern
Eg. Chair, doar, box. B) FITTING SHOP
· Introduction to various hard tooks for metals
· Skill to fix a part with one-another · Assembl & disassemble the things · Skill are marking, measuring, cutting
techniques

C) FORGING OR SMITY SHOP Metals heating, shap [FORG] → FORGING > When a shape is given to any material by maching is called Jorging Forging SMITY => When a shap is given to any material by hammer and tong is Introduction with diffrent equipment process of diffrent technique. D) FOUNDRY SHOP Here the pattern is used to prepare mould in sand, the mosten metal is powed into the mould and after Solidification of the metal we will obtain required coesting. Shaping of metal powed = The metal prepared to avoid negative pressure (it is compadary sand, speld up enhand gas, improve filling ability) Processes

<u>Q2.</u>

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What we can learn?
· pand & it's it's varity
various for preparing sand mould
Processes for preparing sound mould recrious techniques for testing metals techniques for testing metals casting can it's lead to make good
Casting Casting
TI Machine OI
E) Machine Shop:
beisic type of machine
- Drilling machine
basic type of machine — Drilling machine — Hacksaw machine
- Lun machine.
this machine are used to metal removal.
F) Fabrication Shop
CI Charl Wet I Shan I love in the
G) Sheet Metal Shop Warnet (Not in Mabrie
H) Plumbing Shop
A Tuna of 12001 CHOO.
D/YPL Of WORK-SHOP in production work-shop.
production work-shop. A) MASS PRODUCTION (WS)
B) BATCH PRODUCTION (WS)
c) JOB PRODUCTION (WS)
Teacher's Signature:

<u>Q2.</u>

A) Mass production. · This production is leasted on the nature of production or mainifecture. · Limited Varily are produced in · All the product which are made by "UNILIVER" B) Batch Production · The manufacturing of the product is done for predefine task or production time period is called botch production · eg: Mask (only during CORONA) Job production, The material product as per the size and clasign, of individucal customers, The material product and cus c) Job production,

D3 Write the diffrent type of warkshop?
Machins (M)
(1) LATHE (M) (2) DRILLING (M) (3) HACK SAW (M) (4) MILLING (M) (5) GRINDING (M) SHAPE R (M) (F) +6) DRILLING (M)
1. Lathe Machins
The rathe Machins are use to Shap the the modals or woods It is basicaly used by ratating a work pice around a stationary cutter
Main use: remove unwanted material • give fine shap • Producing the shap which are symmetrical
2. Deilling Machine. This machine are used to make the hole in metal, prastic, concrete, so ceramic, climent, of diffrent cliameters.

3. Hacksaw = HACK (ROUGH) + SAW (DEVICE) • Hacksaw is a fool which is rused to cut metals, steel pipe, metal sheet, plastic, wood
· Used by = Plumber & electrition
Black USL FOR CUT IN COARSE BLADE SOFT METAL FINER BLADE SHEETS HARDER METALS
4 Milling Machine (Ei St) Introduction These machines are used in the rotary cut main purpose is to remove undesirable machine metal material. • prosses The work piece being held tight on the worktable the rotating tool is made to move vertically
• USE Face milling Peripheral milling
Shot on Y11

EXPT.	Page No. YOUVE	331
5	Grinding Machine	
	This machine is use to give finishing to metal (The brush on the rotore is kept in in stant manner), This machine can also used to cut the metal (The cutting strip on the rotore is kept horizontal to the work pice)	
-	Maine use: To cut : To give smooth of saft finishing	19.
6	Drilling Machine	
Ŧ.	Shaper Machine.	
	There are 4-types of operations performed in a shaper machine and those are:	
	· Horizontal culting · Vertical cutting · Inclined cutting · Irregular cutting · Angular cutting	
	Angular Culting These machine ruse single point culting tools which move in Linear mother	

Q4. Q5....

NO.
11) hobbing Machine (24151 bottle, screw, bol)
(34151 bottle, screw, bal)
This machin is use to
creat on the curves on the
metallic locals, in short
creat on the curves on the metallic locals, in short it is used to general gears on the solid metal.
O4 Write down a point gin
O-4 Write down a point an engineer should consider for achieving successive earner?
achieving successive entrain
a) Ability to lead, quide, contral the group
b) take disition without confusion
c) Carring all the cart of
a) Ability to lead quide, control the group b) take disition without confession c) carring aut the oder of your subordina a) stence of cleanliness e) Cost-sense, mens where we can reduce
the cost
the cost ul can do for the safty bullad we can do for the safty precaution to machine and person.
precauteon to trace
15 What an engineer très to lear
in waskshop
Ans Detail disscution is done to in
In Detail Obssellion
Question 2
Teacher's Signature:

Types of machine.....

(Click the machine for video of it....)

Lathe machine

Drilling machine

Hacksaw machine (આરી, the machine use to cut metal rod,you will find near construction area)

Milling machine

Grinding machine

Shaper machine

Broching machine

Planner machine

Shearing machine

Hobbing machine