

EP Theory Exam 2022

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Untitled Section

In acetylene cylinder, the acetylene is dissolved in

1 point

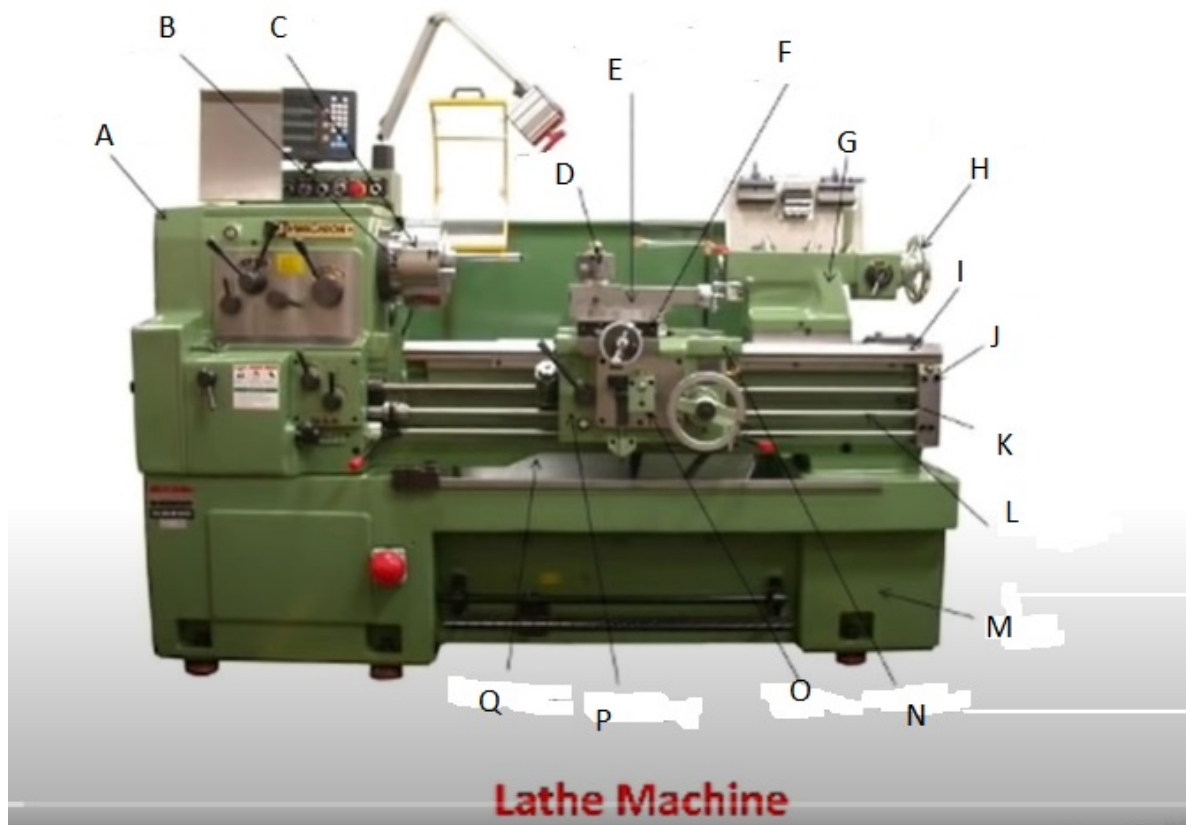
- ☐ Oxygen
- ☐ Carbon dioxide
- ☒ Acetone
- ☐ Water

[Clear selection](#)



Identify the correct place of the Carriage?

1 point



- ☐ G
- ☒ P
- ☐ A
- ☐ F

Clear selection



In a taper turning exercise on lathe, the following details are given on the component drawing: amount of taper = $1/20$. difference in the diameters of big and small end of the tapered portion = 8 mm What is then the length of tapered portion? 1 point

- ☐ 80 mm
- ☐ 240 mm
- ☐ 40 mm
- ☐ 160 mm

in DC Welding direct polarity(electrode negative) results in 1 point

- ☐ smaller weld pool
- ☒ lower deposition rate
- ☐ Lower penetration
- ☐ Less heating of workpiece

Clear selection

Empty portion of the Cupola use for hot gases to escape out to atmosphere is called as _____ 1 point

- ☐ Slag hole
- ☐ Well
- ☒ Stack
- ☐ Combustion Zone

Clear selection



In which of the following methods base metals melt

1 point

- ☐ Soldering
- ☐ Brazing
- ☒ Welding
- ☐ All of the these

Clear selection

Which of the following welding techniques uses non-consumable electrodes?

1 point

- ☐ Thermal welding
- ☒ TIG welding
- ☐ submerged arc welding
- ☐ MIG welding

Clear selection

Electrode used in welding are coated

1 point

- ☒ this coating is not expected to provide protective atmosphere to weld
- ☐ add alloying elements
- ☐ stabilize the arc
- ☐ prevent electrode from contamination

Clear selection



Weld spatter is

1 point

- ☐ a flux
- ☒ A welding defect
- ☐ an electrode
- ☐ Filter metal used in brazing

Clear selection

welding zone in TIG arc welding is shielded by an atmosphere of

1 point

- ☐ Oxygen gas
- ☐ carbon dioxide
- ☐ Hydrogen
- ☒ Helium

Clear selection

The process of joining two piece in which a non-ferrous allow is introduced in liquid state b/w the piece of metals and allowed to solidify, is known as

1 point

- ☐ Lancing
- ☐ Welding
- ☒ Brazing
- ☐ Riveting

Clear selection



In dial indicator, which of the following mechanism is used for converting the linear motion of plunger into rotary motion of pointer? 1 point

- ☒ Rack and Pinion Mechanism
- ☐ Quick Return Mechanism
- ☐ Pneumatic Mechanism
- ☐ Screw Thread Mechanism

Clear selection

Which is not true in the context of welding? 1 point

- ☐ made of flux coated electrode
- ☒ Arc is created by high voltage and low current
- ☐ Temperature of the arc order of 4000 degree Celsius
- ☐ power source may be AC or DC

Clear selection

Oxidizing flame is a flame which is obtained by supplying 1 point

- ☒ Less volume of acetylene and more volume of oxygen
- ☐ More volume of acetylene and less volume of oxygen
- ☐ Equal volume of acetylene and oxygen
- ☐ None of the these

Clear selection



Flux is used in soldering to

1 point

- ☐ lower the melting temperature of solder
- ☐ wash away surplus order
- ☐ Fillup gap in the joint
- ☒ Dissolve oxide from on the workpiece

Clear selection

which of the following welding process uses consumable electrodes?

1 point

- ☐ laser welding
- ☒ MIG welding
- ☐ TIG welding
- ☐ thermit welding

Clear selection

All of the following statements are correct except

1 point

- ☐ carburizing flame is obtained when excess of acetylene is applied
- ☐ oxygen cylinder is usually painted with black colour
- ☐ Acetylene gas is stored in cylinders in liquid form
- ☒ most of the oxy acetylene welding is done with natural flame obtained by applying equal volume of Oxygen and acetylene

Clear selection



Electronic components are usually joined by

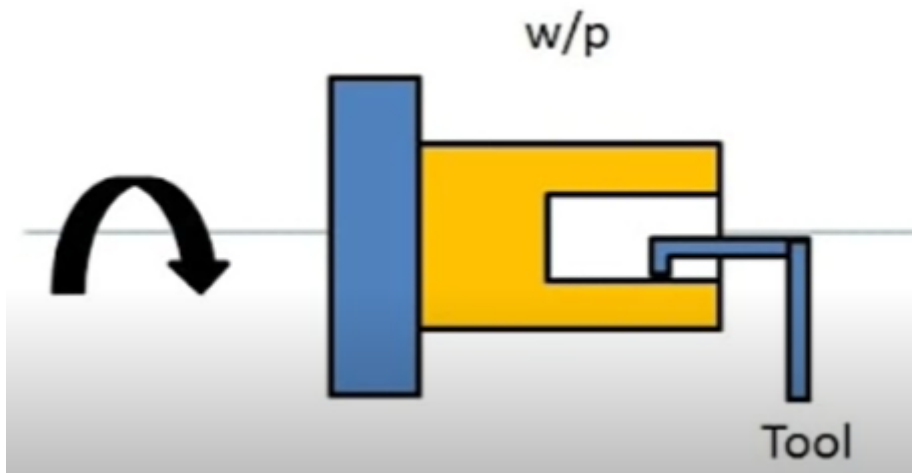
1 point

- ☐ resistance welding
- ☐ Sintering
- ☒ Soldering
- ☐ Brazing

Clear selection

Identify the operation over the lathe showing in the picture

1 point



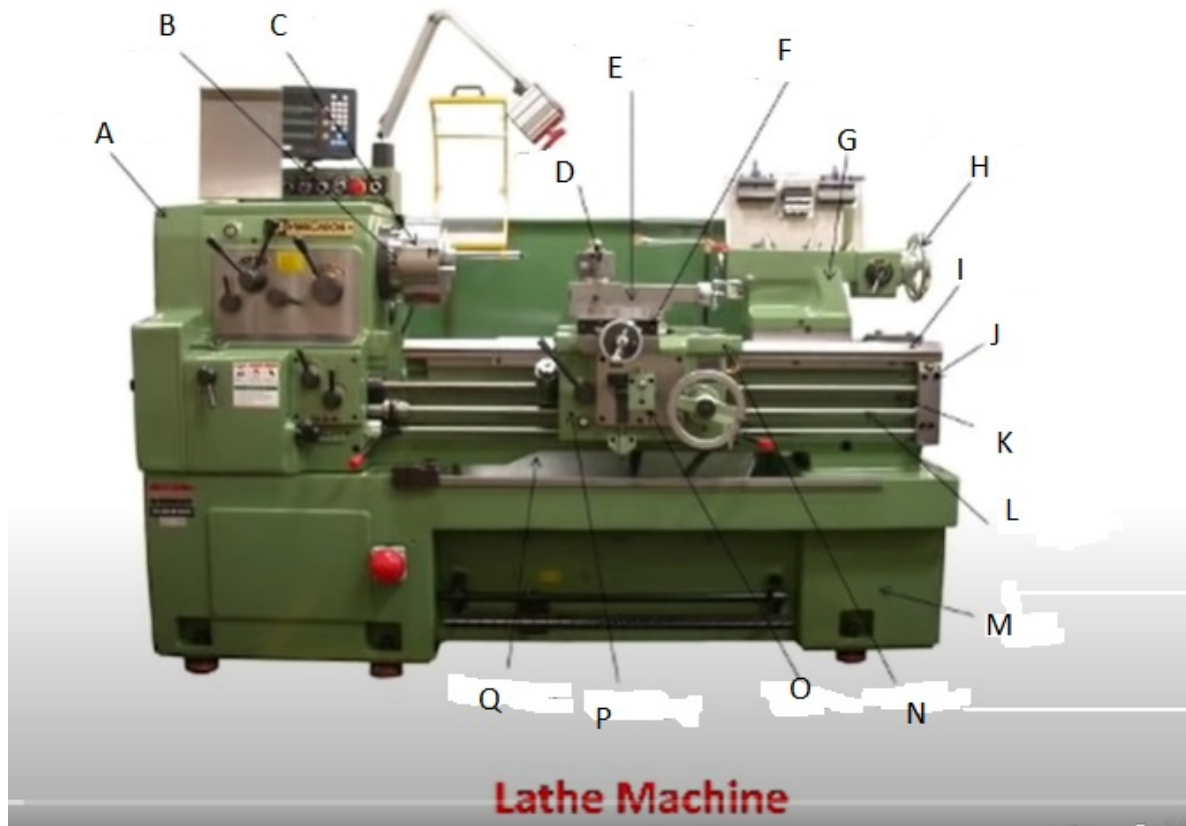
- ☐ Facing
- ☒ Boring
- ☐ Turning
- ☐ Drilling

Clear selection



Match the correct option regarding Lathe Machine: (a) A-Head Stock, C- Chuck, I-Guide Ways, Q-Chip Pan (b) Q-Chip Pan, N-Saddle, M-Leg, H-Spindle (c) B- Spindle, J-Bed, L-Feed Rod, G-Tool Post (d) C-Chuck, J-Bed, E-Compound Rest, N-Chuck

1 point



- ☐ b
- ☐ d
- ☐ c
- ☒ a

Clear selection



Which may be the correct Sequence of operation on the lathe machine (I) Boring (II) Drilling (III) Open the jaws (IV) Tighten the chuck 1 point

- ☐ I-II-IV-III
- ☒ III-IV-II-I
- ☐ I-II-III-IV
- ☐ III-IV-I-II

Clear selection

previously drilled and reamed parts can be turned between centers by mounting parts on 1 point

- ☐ self cenetring chuck
- ☒ Mandrel
- ☐ independent chuck
- ☐ Faceplate

Clear selection

Which of the following belongs to category of fusion welding? 1 point

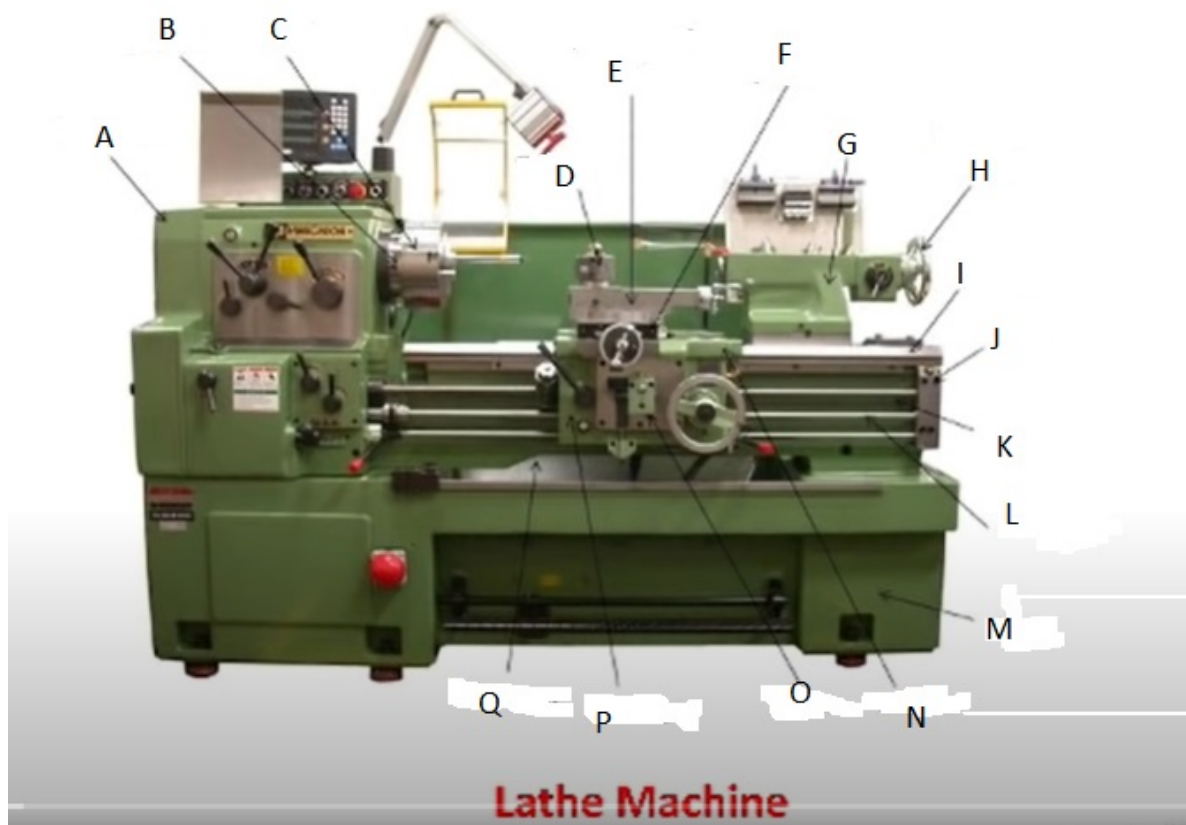
- ☐ thermit welding with pressure
- ☐ Forge welding
- ☒ gas welding
- ☐ electrical resistance welding

Clear selection



Identify the correct position of the Tail Stock?

1 point



- ☐ P
- ☒ G
- ☐ A
- ☐ F

Clear selection



All of the following statements about TIG arc welding and MIG arc welding are correct except 1 point

- ☐ TIG is not as fast as MIG but making very smooth weld of high quality
- ☐ no flux in is required
- ☒ both use a permanent non consumable electrode
- ☐ both are suitable for welding metal like non-ferrous alloy and Aluminium

Clear selection

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