

EP Theory Exam 2022

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Untitled Section

Following welding process (es) use consumable electrode.

1 point

- ☐ Shielding metal arc welding
- ☒ Gas metal arc welding
- ☐ Both, Shielding metal arc welding and Gas metal arc welding
- ☐ Gas tungsten arc welding

[Clear selection](#)

The chipping hammer is used to

1 point

- ☒ to remove the slag
- ☐ to clean the work zone
- ☐ to hold the electrode
- ☐ to break the weld for checking its strength

[Clear selection](#)



Amount of voltage required to generate the arc under no load condition is called? 1 point

- ☐ Open circuit voltage
- ☒ Arc voltage
- ☐ Closed circuit voltage
- ☐ Short circuit voltage

Clear selection

Which of the following is not true for gas welding? 1 point

- ☒ Heat effected zone and distortion are less as compare to arc welding
- ☐ It is suitable for thin sheets
- ☐ There are safety problems in storing and handling the gases
- ☐ It is slower than arc welding

Clear selection

In oxy-acetylene welding colour of oxygen cylinder is 1 point

- ☐ Red
- ☐ Maroon
- ☐ Brown
- ☒ Black

Clear selection



Lathe bed is made of

1 point

- ☐ Mild Steel
- ☒ Cast Iron
- ☐ High Carbon Steel
- ☐ High Alloy Steel

Clear selection

Which of the following operations is/are performed on a lathe machine?

1 point

- ☐ Taper Turning
- ☐ Thread Cutting
- ☐ Drilling
- ☒ All of these

Clear selection

By turning operation we can

1 point

- ☐ reduce the length
- ☐ cut the slots
- ☒ reduce the diameter
- ☐ none of these

Clear selection



Which flame is suitable for welding of ferrous metals, Cu and Al alloys?

1 point

- ☐ Oxidising flame
- ☐ Carburising flame
- ☒ Neutral flame
- ☐ None of the above

Clear selection

In sand moulding the upper most part of the moulding box is called

1 point

- ☒ Cope
- ☐ Drag
- ☐ Flask bottom
- ☐ Cheek

Clear selection

which of the following is an example of fusion welding?

1 point

- ☐ Thermit welding with pressure
- ☐ Forge welding
- ☐ Resistance welding
- ☒ Arc welding

Clear selection



Which of the following joint is temporary joint ?

1 point

- ☐ Riveted joint
- ☒ Press fit joint
- ☐ Welding joint
- ☐ Soldered joint

Clear selection

Strike off bar is used to

1 point

- ☐ compact the sand
- ☒ remove the excess sand from the work zone
- ☐ none of these
- ☐ mix the sand

Clear selection

Which part of the lathe gives perpendicular movement to the tool?

1 point

- ☐ Apron
- ☐ Tailstock
- ☐ Carriages
- ☒ Cross slide

Clear selection



The main constituent of soldering alloy are

1 point

- ☐ Tin , lead and magnesium
- ☐ Tin, Copper and lead
- ☐ Tin and copper
- ☒ Tin and lead

Clear selection

Which is 3 jaw chuck?

1 point

- ☐ Magnetic chuck
- ☐ combination chuck
- ☒ Self centring chuck
- ☐ Independent chuck

Clear selection

the soldering process is carried out in the temperature range

1 point

- ☐ 5-60 C
- ☐ 70-150 C
- ☐ 300-500 C
- ☒ 180-250 C

Clear selection



Is electrode consumable in metal Inert gas welding ?

1 point

- ☒ Yes
- ☐ No

Clear selection

In which of the following joining processes, temperature is highest?

1 point

- ☐ soldering
- ☒ welding
- ☐ brazing

Clear selection

In arc welding, the three elements to be controlled to obtain satisfactory welding operation are

1 point

- ☐ Voltage, arc length and speed of travel
- ☐ Current, arc length and speed of travel
- ☐ Current, voltage and arc length
- ☒ Current, voltage and speed of travel

Clear selection



Electrode is coated to ____.

1 point

- ☐ to reduce welding power consumption
- ☐ protect the weld
- ☐ increase the welding speed
- ☒ decrease the welding speed

Clear selection

The most commonly used flame in gas welding is....

1 point

- ☒ Neutral
- ☐ Oxidising
- ☐ Carburising

Clear selection

The melting point of the filler metal in brazing should be above;

1 point

- ☐ 270 C
- ☐ 350 C
- ☒ 420 C
- ☐ 400 C

Clear selection



A cutting tool used to finish and enlarge a hole is known as

1 point

- ☐ Drill
- ☐ Tap
- ☐ Die
- ☒ Reamer

Clear selection

Arc-welding uses following electric supply.....

1 point

- ☐ D.C.
- ☐ A.C.
- ☒ both A.C. and D.C.
- ☐ Spiral waveform

Clear selection

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