

18MES103L - Basic Workshop - University Exam - Batch II

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* Required

Part - A

25 * 1 = 25Marks (Multiple Choice (single answer questions))

The cross-section of a chisel is usually *

- ☐ Rectangular
- ☐ Square
- ☐ Hexagonal
- ☒ Octagonal

In Forehand welding, the weld is made *

- ☐ From right to left
- ☐ From left to right
- ☐ First from left to right and then from right to left
- ☒ Either from left to right or from right to left



For smoothing and cleaning out depression in the mould, a _____ is used *

- ☐ slick
- ☒ Lifter
- ☐ Swab
- ☐ Gagger

Trimming in sheet metal shop is *

- ☒ Removal of extra material that is generated during forging and casting.
- ☐ A finishing operation by which a small amount of material is cut from the edge of a blanked part.
- ☐ A process by which a series of notches is cut.
- ☐ Removal of small portion of metal along the edge of the sheet.

A file removes the metal during *

- ☒ Forward stroke
- ☐ Return stroke
- ☐ Both forward and return strokes
- ☐ None of these



Which of the following statement is wrong? *

- ☐ The mortise gauge has two scribing pins
- ☐ The gouges are chisels with a hollow shaped blade
- ☐ An auger is a planning tool
- ☒ All of these

A hacksaw blade cuts on the *

- ☐ Forward stroke
- ☐ Return stroke
- ☒ Both forward and return strokes
- ☐ Cutting depends upon the direction of force

Which operation is sometimes called a forming operation? *

- ☒ Embossing
- ☐ Trimming
- ☐ Bending
- ☐ Notching

For gas welding the pressure desired at the welding torch for acetylene is *

- ☐ 280 – 56 kN/m²
- ☐ 560 – 840 kN/m²
- ☐ 70 – 103 kN/m²
- ☒ 7 – 103 kN/m²



Shearing process means *

- ☒ Cutting of sheet metal
- ☐ Developing the surfaces of sheet metal components
- ☐ Laying out the sheet metal
- ☐ Measuring the sheet metal

In backhand welding, the angle between the welding rod and the work is _____ as compared to forehand welding. *

- ☒ Same
- ☐ Less
- ☐ More
- ☐ None of these

In a _____, two or more operations are performed simultaneously at the single stroke of the ram. *

- ☐ Simple die
- ☒ Progressive die
- ☐ Combination die
- ☐ Compound die



Working of thin sheets ranging from _____, with simple machines and hand tools is considered as sheet metal work. *

- ☒ 10 gauge to 20 gauge
- ☐ 40 gauge to 50 gauge
- ☐ 50 gauge to 60 gauge
- ☐ 30 gauge to 40 gauge

A ring gauge is used to *

- ☒ Check the diameter of shafts or studs
- ☐ Test the accuracy of holes
- ☐ Check the clearance between two mating surfaces
- ☐ None of these

Lines are marked on metal for a variety of purpose in laying out patterns using _____? *

- ☒ Scribes
- ☐ Tri square
- ☐ Centre punch
- ☐ None of the above



In TIG arc welding, the welding zone shielded by an atmosphere of

- ☐ Helium
- ☐ None of these
- ☒ Either (A) or (B)
- ☐ Argon

Clear selection

The included angle of a Center punch is *

- ☐ 60 degree
- ☐ 50 degree
- ☐ 40 degree
- ☒ 90 degree

Galvanized sheet metal is soft steel sheets coated with _____? *

- ☒ Zinc
- ☐ Copper
- ☐ Aluminum
- ☐ Carbon



The material of an HVAC duct is ____.*

- ☒ Galvanized iron
- ☐ Mild steel
- ☐ Tin
- ☐ Copper

Air conditioning duct, roof flashing, tanks, and boxes are usually made from galvanized sheet because of? *

- ☒ good corrosion resistance
- ☐ good conductors
- ☐ easily available
- ☐ high cost

A diamond pointed chisel is used for cutting *

- ☐ Flat Surfaces
- ☐ Grooves
- ☐ Key-ways
- ☒ V-Shaped Grooves



The brass and bronze are welded by _____ flame.

- ☒ Oxidizing
- ☐ Carburizing
- ☐ Neutral
- ☐ All of these

Clear selection

_____ drill is most commonly used too for making holes *

- ☒ Twist
- ☐ Combi
- ☐ Hammer
- ☐ SDS hammer

What is the Gas used for MIG welding process? *

- ☒ CO₂
- ☐ N₂
- ☐ SO₂
- ☐ O₂



A gimlet is a _____ tool

- ☐ Marking
- ☒ Boring
- ☐ None of these
- ☐ Cutting

Clear selection

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