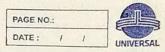


length remain equal. Turning operation where the entire length is divided in steps of different diameter but each step indivisually finished by using plain turning is called stepped turning. Taper turning is the operation in which the material is removed from the Job. to produce a canonical shape.

- 2) Facing: It is the machining of the ends of a work piece to make the ends smooth For this operation, the cutting tool is fed perpendicular to the lather or workpiece axis by means of cross slide.
- 3) Parting off: This operation involves cutting the work-metal into two parts using parting off tool. Feed to the cutting tool is given in same manner as in scare of facing operations.
- (E) Grooving: This operation is also denoted as necking. Usually, grooved are cut on a cylindrical surface in narrow shape by means of grooving tool. The cutting edge of grooving tool is kept narrow.
- Drilling: Fox making a standard size of hale in a workpiece by means of drill is known as drilling operation.

  For this operation, drill in held in tail stock spindle.



and the same of th	
(0.3.)	Draw a next sketch of twist drill and show its parts.
	Show its pasts.
	Drill axis
	Shank. Body To
	Chisel
	ongle Flank
	Cutting
-	Point angle
	Hute. 7 3
	Flank. Cutting Face.
831	edan
(0.)	
Q4)	List of machines available in our collège
-	workshop.
Anal	Mach of the state
Ansi	Machines available in our collège workshop
	are as to follows:
	ii) Grinding machine. iii) Shaping machine
	iii) Milling machine iv.) Lather machine.
	ivy carne riacrine.

(25.) Write down the safety precautions while working in machine shop.

(Ans.) i) Always wear safety gear while working in the workshop. Hand gloves, safety shows, helmets & eye-glasses are mandatory for workshop jobs like plumbing, machine fitting, welding or com corpentry. For instance, some people do not wear welding glasses while dealing with welding works. This might result into temporary or permanent blindness.

- anytime. It (could happen during the process of Screw tighetening or replacing the motor of machine. Irrespective of the type of breakdown, never try to work on machine while it is running.
- ensure that common Safety quidelines are observed. Pull the hand brake, choke the rear wheel, and fit fender covers. Always jack the vehicle on hard surface.
- iv.) Non-slip mats should be used in front of machines where necessary and machines should be sensibly placed to avoid overcrowding.

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v.) Maintain all service records of machines and equipments. It will not only save time but also help you to take care of resp repetitive break downs.

vi.) Smoking & Drinking should be ?
prohibited in the workshop.