

# 32033 -Machine Drawing

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## I. Sectional Views

### 5mark

1. Explain full section with neat sketch?
2. Explain conventional showing representation for section?
3. Explain revolved section with neat sketch?
4. Explain thin section with neat sketch?
5. Explain sectional view and needs for sectioning?
6. Rules for hatching line

## 2. Limits, Fits and Tolerances

### 5mark

1. Explain methods of tolerance?
2. Explain size of tolerance?
3. Explain hole basis and shaft basis tolerance?
4. Explain types of fits?
5. Explain classification based on indication of tolerance.

## 3. Surface Textures

### 5mark

1. Explain machining symbols.
2. Explain controlled and uncontrolled surface.
3. Explain surface structure.
4. Explain waviness and lay.

## 4. Keys, Screw Threads and Threaded Fasteners

### 5mark

1. State and draw any five machine screws and its applications.
2. State the types of keys and explain gib headed key with neat sketch.
3. State and draw any five cap screws and its applications.
4. Types of fasteners.
5. Explain foundation bolts.

## 5. Manual Drawing Practice

### 5mark

1. Universal Coupling.
2. Plummer Block
3. Machine Vice
4. Screw Jack.