



# Engineering Drawing



## CHAPTER-1 DRAWING INSTRUMENTS

- Wood is used in making drawing boards-  
(a) knotty wood (b) solid wood  
(c) Soft wood (d) None
- The angle of degrees between the head of the T-square and the working edge of the blade is-  
(a)  $120^\circ$  (b)  $60^\circ$   
(c)  $9^\circ$  (d)  $90^\circ$
- The grade of pencil lead is softer-  
(a) 4 B (b) 5B  
(c) 6B (d) 7B
- The grade of lead of which pencil is harder-  
(a) 9H (b) 8H  
(c) 7H (d) 6H
- From which material is pencil lead made?  
(a) Sulfur (b) Plastic  
(c) Wood (d) Graphite
- Which of the following drawings is the correct size of A5 paper?  
(a)  $145 \times 297$  mm (b)  $148 \times 210$  mm  
(c)  $594 \times 841$  mm (d)  $700 \times 900$  mm
- Pencil cutter (Sharpener) is used in drawing-  
(a) Line crossing  
(b) making an angle  
(c) to sharpen the pencil  
(d) line
- Mini drafter is not used as-  
(a) Guinea (b) French curve  
(c) protractor (d) scale
- T-square is named after  
(a) Length of the blade  
(b) Width of the blade  
(c) Length of the stock  
(d) Width of the stock
- What is the function of batten in drawing board?  
(a) tightening the straps  
(b) To prevent deformity  
(c) supporting the straps  
(d) Lean on the table
- Drawing board is made of  
(a) Masonite (b) Peepal  
(c) Neem (d) Acacia
- What is the part of the drawing board called on which the stroke of the T-Square slides?  
(a) batten (b) strip  
(c) Ebony or working edge  
(d) none
- Fine drawing is made with which grade of pencil?  
(a) 5B (b) 3H  
(c) F (d) 8H
- Which of the following pencil grades is used for drawing center lines?  
(a) H (b) 2 H  
(c) 3 H (d) 8 H
- On what basis is the pencil selected in engineering drawing?  
(a) Length of the pencil  
(b) Diameter of the pencil  
(c) Color of pencil  
(d) Grade of pencil
- Which ratio is there in the sides of the drawing sheet?  
(a) 1:2 (b)  $\sqrt{3}:2$   
(c)  $\sqrt{5}:4$  (d)  $1:\sqrt{2}$
- Many angles can be drawn and measured by the operation of two sets of squares. What is the angle  $\alpha$  formed by the set squares of  $45^\circ$  and  $60^\circ-30^\circ$ ?  
(a)  $105^\circ$  (b)  $30^\circ$   
(c)  $45^\circ$  (d)  $60^\circ$
- The measurement of how many degrees of angle is marked on the circle master?  
(a)  $0^\circ - 180^\circ$  (b)  $60^\circ - 350^\circ$   
(c)  $60^\circ - 120^\circ$  (d)  $0^\circ - 360^\circ$
- The series of shapes on a drawing sheet is obtained by sequential combinations and

# Basic Engineering Drawing Mcq

**Tobias Bleicker**



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web jan 10 2022 the most stressed part of the crane hook is the curved inner surface this surface is considered critical in terms of strength the goal of this paper is to select a suitable crane hook

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web analysis of these hooks to determine the areas with high stress i.e. failure points and those with low stresses these are potential points for material removal weight reduction and reduced costs

*finite element stress analysis of crane hook* - Sep 25 2022

web bending stresses combined with tensile stresses weakening of hook due to wear plastic deformation due to overloading and excessive thermal stresses are some of the other reasons for failure hence continuous use of crane hooks may increase the magnitude of these stresses and eventually result in failure of the hook

[pdf crane hook design and analysis researchgate](#) - Oct 07 2023

web nov 12 2018 the stress analysis of a hook crane submitted to some vertical static force is a simple fem problem

approached here using solidworks simulation software