

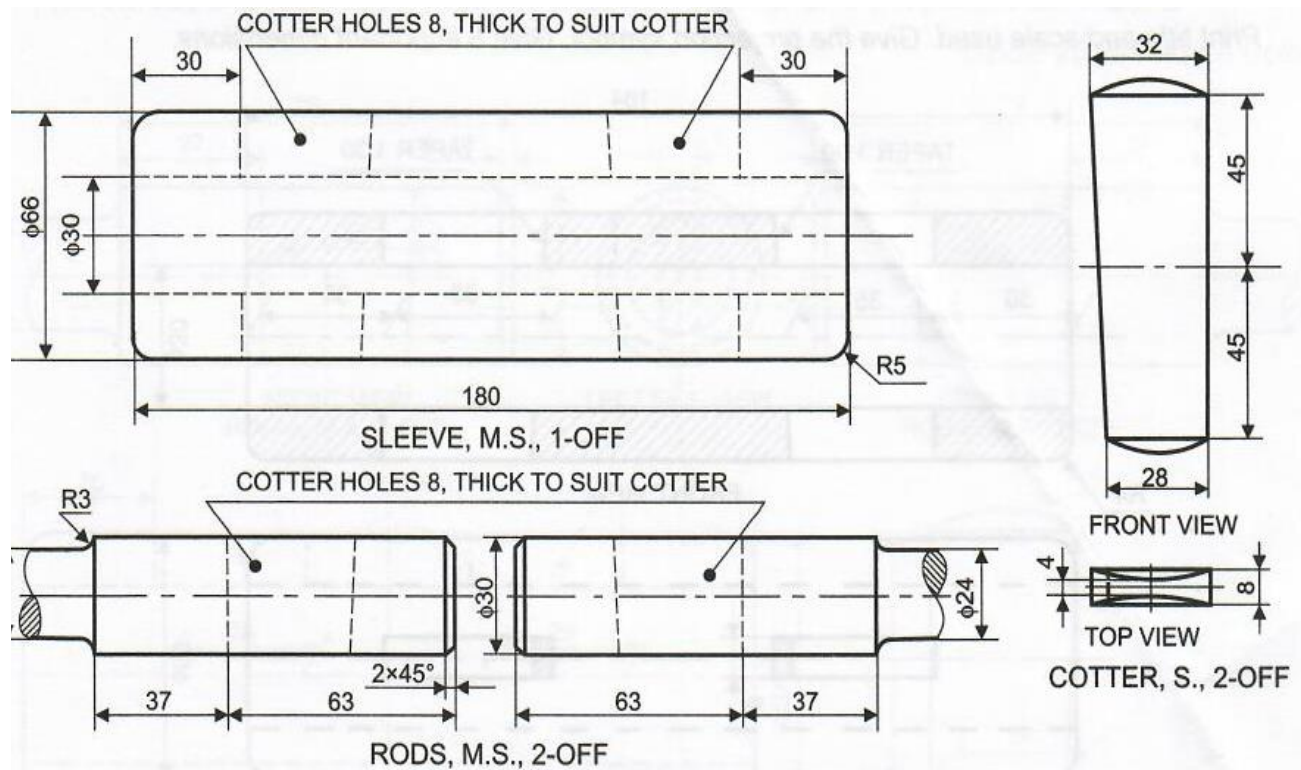


<b>Class: XII</b>	<b>Department: SCIENCE – 2021-2022</b>	<b>Date of Completion:</b> <b>14.10.21</b>
	<b>SUBJECT: <u>ENGINEERING GRAPHICS</u></b>	
<b>Worksheet No:4</b> <b>With Answers</b>	<b>Topic: <u>ROD JOINTS</u></b>	<b>Note: A4 FILE</b> <b>FORMAT</b>
<b>NAME OF THE</b> <b>STUDENT:</b>	<b>CLASS: XII</b> <b>SECTION: C</b>	<b>ROLL NO:</b>

### Questions

1.The figure shows the details of the parts of a Sleeve and Cotter joint. Assemble these parts correctly and then draw the following views to scale 1:1.

- (a) Front view upper half in section,
- (b) Left hand side view
- (c) Print title, scale used and give all dimensions.



2. The figure below shows the details of a Gib and cotter joint for square rods. Assemble the parts correctly and draw the following views to scale 1:1.

- a) Top half sectional front view
- b) Top view
- c) Left hand side view

Write heading and scale used. Give 8 leading dimensions, also draw projection symbol.



d) gib and cotter joint

2. Gib is always provided in conjunction with :

a) key

b) cotter

c) bolt

d) Rivet

3. How much taper is generally used in the width of a cotter

a) 1:3

b) 1:10

c) 1:30

d) 1:50

4. Gib is provided towards which end of fork in a cotter joint

a) broken end

b) upper end

c) lower end

d) open end

5. A cotter joint is used to connect two :

a) co axial rods

b) perpendicular rods

c) parallel rods

d) rods in any position

## **MULTIPLE CHOICE QUESTIONS**

### **ANSWERS**

1.d) Gib ans cotter joint

2.b)Cotter

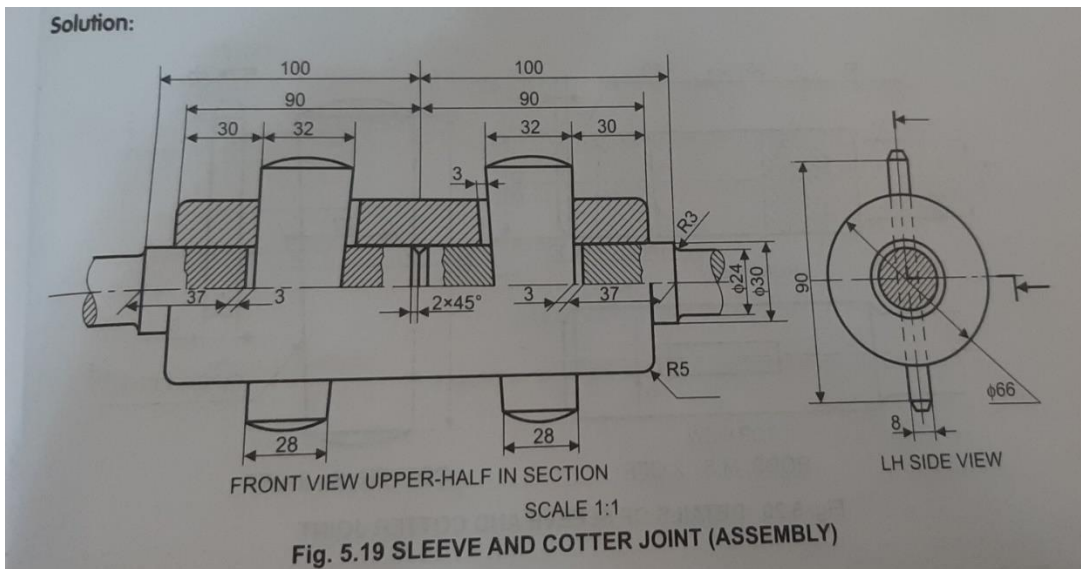
3.c)1:30

4.d)Open end

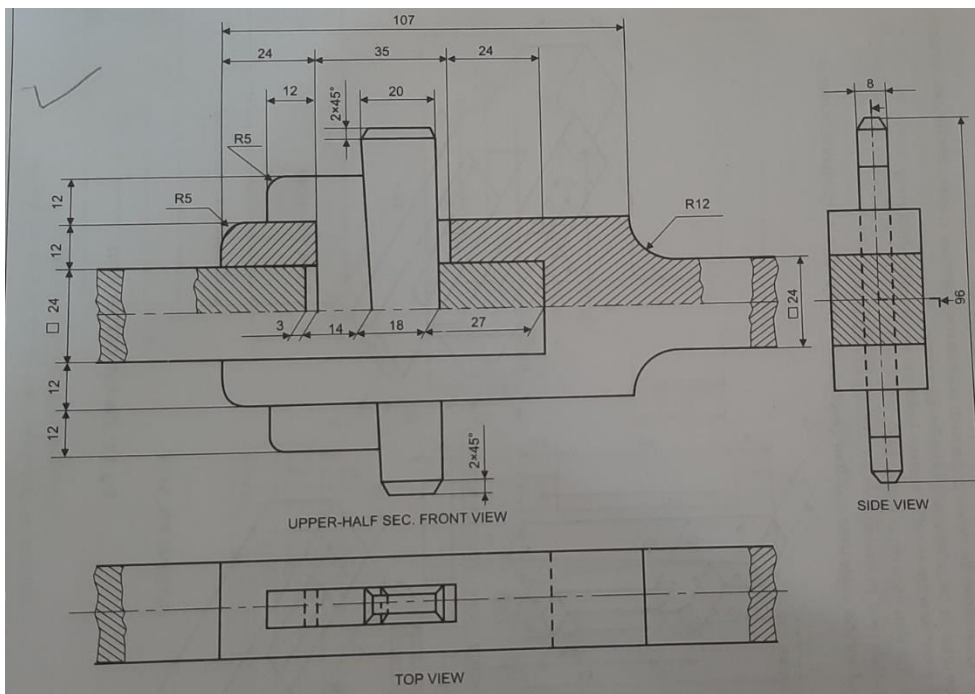
5.a)Co-axial rods

### **SOLUTIONS FOR DRAWINGS**

1.



## 2. Gib and Cotter joint Assembly



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