



### Part List

Part No.	Name	Material	Quantity
1	Rod	Forged steel	1
2	Cap	Forged steel	1
3	Bearing brass	Gun metal	2
4	Bearing bush	Phosphor bronze	1
5	Bolt	Medium carbon steel	2
6	Nut	Medium carbon steel	2

The figure shows the parts of an internal combustion engine connecting rod in third angle projection (where applicable). During assembly, Part 3 is placed at the left end of part 1 and then the cap (part 2) is assembled to part 1 with two bolts (having square head) and two hexagonal nuts. Draw the assembled front view of the connecting rod. The dimensions X1, X2, P1 to P7 will be announced in lab. Use proper line thickness for all line types. In the drawing show only the dimensions X1, X2, P1 to P7. You can come early and make the bolt and nut and save them as blocks which can be inserted later.