

- 4(a)** Answer the following questions (10)
1. What is the function of bearing? What are its different kinds?
 2. List the various methods of preventing rotation of brasses in a bearing
 3. What is the function of an eccentric in a steam engine?
 4. Give types of pulleys.
 5. State the function of coupling & classify coupling in detail.
- (b)** Draw two views of the wall bracket for a line shaft bearing (10)
- 5(a)** Prepare a sketch of (08)
1. Crank shaft
 2. Overhung crank
- Or
- 5(a)** Prepare a sketch of two stroke petrol engine piston in two views (08)
- (b)** Draw the following
1. Front view of protected type flange coupling (05)
 2. Muff coupling (02)
- Or
- (b)** Sketch neatly two views of fast and loose pulleys (07)
- 6(a)** Draw two views of Plummer block (10)
- Or
- 6(a)** Draw the following
1. Bushed bearing(one view) (05)
 2. Foot step bearing(one view) (05)
- 6(b)** Draw split muff coupling (05)
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