

FOURTH SEMESTER**B.E. (PE)****MID SEMESTER EXAMINATION MARCH****2005****PE-214 KINEMATICS OF MACHINES**

Time: 1 Hour 30 Minutes

Max. Marks : 20

Note : Attempt **ALL** questions.

Assume suitable data, if missing.

Use sketches whenever required.

Assume suitable missing data, if any.

- 1[a](i) Draw and explain the equivalent linkages of the following mechanism.

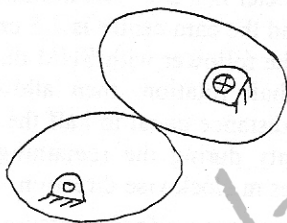


Fig 1a.

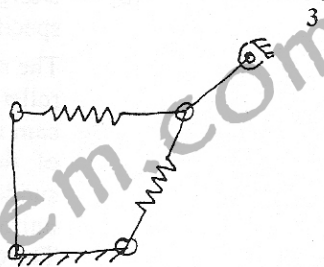


Fig 1b.

- (ii) Determine the number of linkages and degree of freedom for the following.

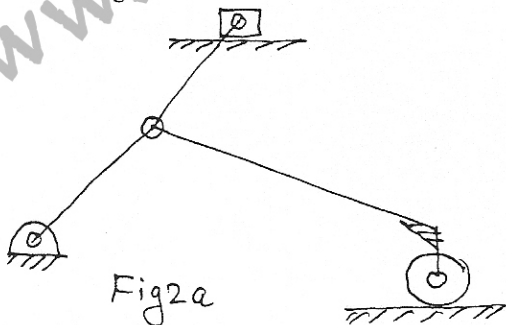


Fig 2a



Fig 2b.