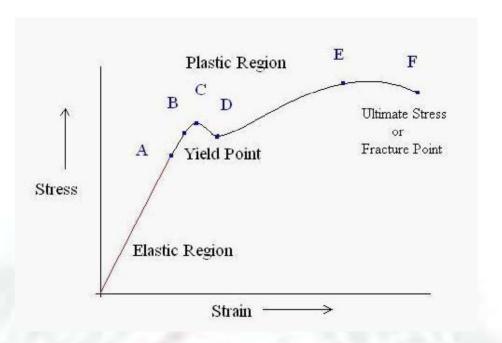
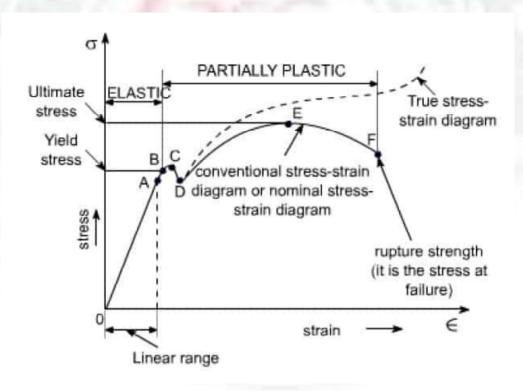
## **TEACHING LEARNING MATERIAL**

**GANDHI SCHOOL OF ENGINEERING, BHABANDHA** 

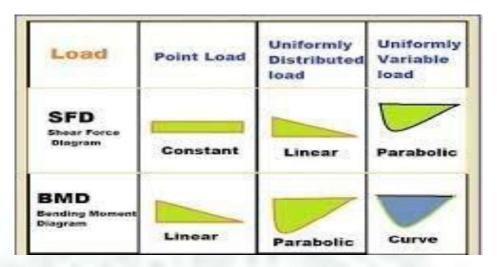
BRANCH- CIVIL ENGINEERING
SUBJECT-STRUCTURAL
MECHANICS
PREPARED BY-Er. SRIDHAR SAHU



Stress - Strain diagram for ductile material



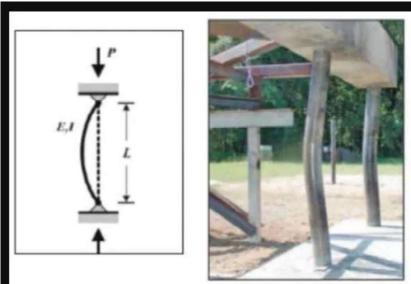
Stress – Strain diagram for ductile material with different stage



Different shape for shear force and bending moment diagram



Due to external load bending stress with compression and tension zone and also neutral axis of the beam





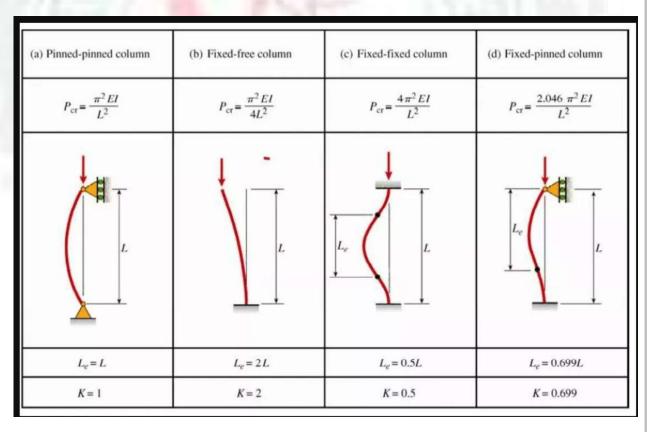


Buckled R.C.C. Column

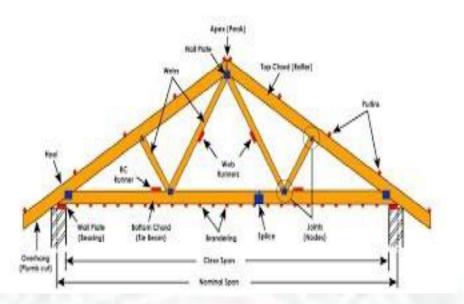
"-": Buckled Shape

": Original Shape

## **Buckling shape of the column**



Different end condition of the column



Truss