

- Q.3 Attempt any two 08
- (1) Discuss the advantages and applications of helicopter.
 - (2) Draw and explain tandem and contra rotor configurations.
 - (3) Draw and explain conventional and side by side configurations.
- Q.4 (A) Explain the momentum analysis for hover and derive the equation of induced velocity. 05
- (B) Draw and explain velocity distribution over rotor blades for hover. 05
- OR
- (B) Draw and explain velocity distribution over rotor blades for forward flight. 05