

## Contents

Preface .. .. .	(ii)
CHAPTER - I.	
1. Large deflection analysis of a square plate of nonhomogeneous material subjected to normal pressure and heating.	1
2. Large deflection analysis of an annular plate of nonhomogeneous material subjected to normal pressure and heating.	22
CHAPTER - II.	
1. Thermal stresses in an anisotropic nonhomogeneous spinning disk of variable thickness under variable thermal loading.	40
CHAPTER - III.	
1. Stresses and displacement due to two equal and opposite couples applied on the surface of a composite elastic nonhomogeneous sphere having concentric spherical inclusion.	53
2. Torsion problem of a nonhomogeneous cone with spherical caps.	66
CHAPTER - IV.	
1. Radial deformations of nonhomogeneous spherically isotropic elastic media.	78
2. Radial deformations and stresses in anisotropic nonhomogeneous elastic media.	105
3. Stresses in nonhomogeneous cylindrically anisotropic elastic cylinder.	122
CHAPTER - V.	
1. Time-hardening and Time-softening nonhomogeneous anisotropic elastic shells.	134
CHAPTER - VI.	
1. Wave propagation in nonhomogeneous aeolotropic visco-elastic solid from a spherical cavity.	156
Bibliography .. .. .	165
Reprints	