

Opening Times: 9A.M – 10 P.M (All 7 Days Open)

HIND PHOTOSTATE & BOOK CENTER

Best Quality Hand Written Notes to Crack GATE, IES,

PSU's & other Government Competitive/ Entrance Exams

CIVIL ENGINEERING

MADE EASY

Topper Handwritten Notes

HYDRAULIC MACHINE

By-Praveen Sir

F230, Lado Sarai New Delhi-110030 Phone: 9311 989 030 Shop No: 46 100 Futa M.G. Rd Near Made Easy Ghitorni, New Delhi-30 Phone: 8595 382 884

F518 Near Kali Maa Mandir Lado Sarai New Delhi-110030 Phone: 9560 163 471 Shop No.7/8 Saidulajab Market Neb Sarai More, Saket, New Delhi-30 Phone: 9654 353 111

Website: www.HindPhotostate.com Contact Us: 9311 989 030 Courier Facility All Over India

O HYDRAULIC MACHINE 0 0 \bigcirc 0 Impact. of jets (Dynamic action of fluid) 1) 0 0 Publine - Pelton ද) 0 ESE obj - 6 Qobj 0 0 - Francis - Kaplan ESE CONV. - 20-40 0 GATE - 2-4 marks 0 0 Pumps - centre fugal. Reciprocating. 3) 0 0 0 0 0 0 0 O. \mathbf{O} С С Turbine - It converts pydraulic poroes or water poroes. ·C: into mechanical power. C: È C C C C (. . C

0 Minister Mart 0 0-Introduction -0 0 0 It converts hydraulie power or water Tubine: ৵ 0 power into mechanical power. 0 0 Ο 0 0 0 Ο Penstak. 0 Reservoir 0 0 С С Pump - It converts Mechanical Power to Hydraulic race (≁ C 1 C -> delivery pipe C casing suction pipe Sump level.

0 force equal to rate of change of Momentum. 0 0-0 $= m_{12} - m_{1}$ 0 F(external | Vanes | Blades) 0 0 0 Froater jet = - France. О 0 О $-(\dot{m}v_2-\dot{m}v_1)$ Ο О $F_{\text{ret}} = mv_1 - mv_2$ С С C C C Energy CONCEPT C (Power or Interkdonelsec) Ç. Energy Sec Energy (solid body) (POLOEY) mg (Head) (: T ⁽ $\frac{\int dh u^2}{2} = \frac{V^2}{2}$ $\lim_{n \to \infty} v^2$ 1'mv2 (KE) C C phg Ċ C mgh mgh (PE) prof. 11 Fix (WD) F·V F.12 mg $V \rightarrow velocity of$ body jisme force lagega