

# Module 4 Nptel Pdf Download

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Module # 6 - NPTEL Design Of Tall Vessels: Introduction, Axial Stress Due To Dead Loads, Axial Stresses Due To Pressurs, Longitudinal Bending Stresses Due To Dynamic Loads, Design Considerations Of Distillation (tall) And Absorption Column (tower)

1. Introduction
2. Stresses In The Shell (tall Vertical Vessel)
3. Axial And Circumferential Pressure Stresses

Feb 20th, 2024.

Module 7 - NPTEL 7.17.5 Calculation Of Short-Term Deflection

Clause C-2 Of Annex C Of IS 456 Prescribes The Steps Of Calculating The Short-term Deflection. The Code Recommends The Usual Methods For Elastic Deflections Using The Short-term Modulus Of Elasticity Of Concrete  $E_c$  And Effective Moment Of Inertia  $I_{eff}$  Given By The Following Equation: ; But Apr 17th,

2024Module - NPTEL On The Other Hand, An Analog Transmission Requires Lower Bandwidth Having Band Pass Characteristics. The Process Involved In Analog Transmission Is Known As Modulation, Which Requires Manipulation Of One Or More Of The Parameters Of The Carrier That Characterizes The Analog Signal.

Figure 2.5.1 Depicts The Modulation Mar 5th, 2024Module 5 - NPTEL302 10 3 2 = - Y X X (4) 300 300 5 5 0 450 5 30 10 3 2 300 2 2 2 2 2 = - + - = | - ) ) | \ ( = - - X X X X X M X X X X In Other Words A Three Hinged Parabolic Arch Subjected To Uniformly Distributed Load Is Not Subjected To Bending Moment At Any May 1th, 2024.

KV NPTEL Digital Design Module 2Kuruville Varghese Cpu Level 2: Registers 3030 Kuruville Varghese Data Bus D7:0 Clk Inst Reg Inst Dec Contr-oller Tr1 Tr2 Alu Reg A Reg B Reg C Reg D Ra\_l Ra\_e Rb\_l Rb\_e Rc\_l Rc\_e Rd\_l Rd\_e Tr1\_l Tr2\_l Al\_s Al\_e Ir\_l Clk Rst Int Apr 29th, 2024Module - 12 - NPTELSelling Rate. Hence At A Given Point Of Time, There Are Two Rates Available. These Two Rates Are Known As "bid" And "ask" Rates. As Discussed In Session 4 (market Participants In Foreign Exchange Market), Forex Dealers Give Both Bid Rates And Ask Rates. Bid-ask Rates Are Given By F Jan 27th, 2024Module 2: Sensors And Signal Processing Lecture 1 ... - NPTEL Before Using A Thermocouple For Reading The Temperature Of A Furnace. 2. Differentiate Between Span And Range Of A Transducer System. 3. What Do You Mean

Nonlinearity Error? How It Is Different Than By Hysteresis Error? 4. Explain The Significance Of The Following Information Given In The Specification O May 16th, 2024.

Module 10 - NPTEL The Complete Design Of Slender Columns As Recommended By IS 456. 11.27.1

Introduction Slender And Short Are The Two Types Of Columns Classified On The Basis Of Slenderness Ratios As Mentioned In Sec.10.21.5 Of Lesson 21. Columns Having Both  $L_{ex}/D$  And  $L_{ey}/b$  Less Than Twelve Are Designated As Short And Otherwise, They Are Slender, Where  $L_{ex}$  And  $L_{ey}$  Mar 12th, 2024 Module 1

HYDROLOGIC CYCLE - NPTEL To The Atmosphere". This Cycle Has No Beginning Or End And Water Is Present In All The Three States (solid, Liquid, And Gas). A Pictorial View Of The Hydrological Cycle Is Given In Fig. 1.1. The Science Of Hydrology Primarily Deals With The Land Portion Of The Hydrologic Cycle; Interactions With The Oceans And Atmosphere Are Also Studied. Jan 9th, 2024

Module-14 Recognizing Self And Others - NPTEL Johari Window (Luft & Ingham, 1955) Requires The Participants To Choose 56 - Adjectives From A Given Set Of 56 Adjectives That Describes Him/ Her. The Same Exercise Is Repeated By The Participant's Peers. The Selected Adjectives Are Mapped Onto A Grid As Shown Below. Jan 25th, 2024.

Module 9 - NPTEL (d) Spiral Staircase (Fig. 9.20.1d) (e) Helicoidal Staircase (Fig. 9.20.1e) Architectural Considerations Involving Aesthetics, Structural

Feasibility And Functional Requirements Are The Major Aspects To Select A Particular Type Of The Staircase. Other Influenci May 23th, 2024  
Module 4 Drives And Mechanisms Lecture 1 ... - Nptel.ac.in  
AC Motors Convert Current Into AC The Rotation Of A Mechanical Element (mechanical Energy). As In The Case Of Motor, A Current Is Passed Through The Coil, Generating A DC Torque On The Coil. Typical Components Include A Stator And A Rotor. The Armature Of Rotor Is A Magnet Unlike DCmotors And The Stator Is Fo Rmed By Electromagnets Similar To DC Mar 13th, 2024  
Module 3 Aggregate Planning - NPTEL12320\*, Period 4: [1380 0 0 0] Cost = 17000, [300 1080 0 0] Cost = 16920, [620 0 760 0] Cost = 16480\*, [1020 0 0 360] Cost = 16920. Best Solution Is To Produce 620 In Period 1 (for Periods 1 And 2) And 760 In Period 3 For Periods 3 And 4. 7. Consider The Demand For Four Periods (in ... Mar 19th, 2024.

Module 4 - NPTELThe Major Cause Of Poor Listening Is Due To The Listener'semotional, Mental And Psychological -set. If There Ismind Any Dislike For The Speaker And Disapproval To His/her Ideas, The Listener Will Certainly Reconstruct Distorted And Negative . NPTEL- COMMUNICATION SKILLS Mar 24th, 2024  
Module 3 - NPTELThe Sum Of Distribution Factor At A Joint, Except When It Is Fixed Is Always Equal To One. The Distribution Moments Are Developed Only When The Joints Rotate Under The Action Of Unbalanced Moment. In The Case Of Fixed Joint, It

Does Not Rotate And Hence No Distribution Moments Are Developed And Consequently Distribution Factor Is Equal To Zero. Feb 1th, 2024  
Module 2 - NPTELA  
Continuous Beam Is Carrying Uniformly Distributed Load Of 2 KN/m As Shown In Fig.12.5a. The Moment Of Inertia Of Span ABC AB Is Twice That Of Span .  
Evaluate Reactions And Draw Bending Moment A May 13th, 2024.

Module 11 - NPTEL • Identify Five Points Indicating The Differences Between The Design Of Foundation And The Design Of Other Elements Of The Superstructure,  
• Differentiate Between Footing And Foundation, • Differentiate Between Shallow And Deep Foundations,  
• Identify The Situation Jan 12th, 2024  
Module 11 - Nptel.ac.in  
Design A Plain Concrete Footing For A Column Of 400 Mm X 400 Mm Carrying An Axial Load Of 400 KN Under Service Loads. Assume Safe Bearing Capacity Of Soil As 300 KN/m<sup>2</sup> At A Depth Of 1 M Below The Ground Level. Use M 20 And Fe 415 For The Design. Solution 1: Plain Concrete Foot Apr 8th, 2024  
Module 1: Elasticity - NPTELLinear Elasticity As A General Three-dimensional Theory Has Been Developed In The Early 1820's Based On Cauchy's Work. Simultaneously, Navier Had Developed An Elasticity Theory Based On A Simple Particle Model, In Which Particles Interacted With Their Neighbours By A C Feb 15th, 2024.

Module 3 Organometallic Reagents - NPTELDzhemilev  
Reaction It Involves The Reaction Of Alkenes With

Grignard Reagent To Give Alkyl Magnesium Halide In The Presence Of  $\text{Cp}^*_2\text{ZrCl}_2$ . This Method Had Found Wide Application In Organic And Organometallic Synthesis.  $\text{R}^*\text{Cp}^*_2\text{ZrCl}_2 + \text{EtMgBr} \rightarrow \text{R}^*\text{Cp}^*_2\text{Zr}(\text{Et})\text{MgBr}$  = Kulinkovich Reaction The Reaction Of Esters With Dialkylaluminum Reagents ... Mar 11th, 2024

Module-07 - NPTEL1) Equilibrium Phase Diagrams, Particle Strengthening By Precipitation And Precipitation Reactions 2) Kinetics Of Nucleation And Growth 3) The Iron-carbon System, Phase Transformations 4) Transformation Rate Effects And TTT Diagrams, Microstruc Feb 23th, 2024

Module 8 - NPTEL8.19.6 Design Of Two-way Slabs The Procedure Of The Design Of Two-way Slabs Will Have All The Six Steps Mentioned In Sec. 8.18.6 For The Design Of One-way Slabs Except That The Bending Moments And Shear Forces Are Determined By Different Methods For The Two Types Of Slab. While The Bending Moments And Shear Forces Are Computed From The Feb 19th, 2024.

Module - 6 - NPTEL6.1.3.1 Maslow's Hierarchy Of Needs Theory: The Hierarchy Of Needs Theory, Proposed By Abraham Maslow, A Clinical Psychologist In 1943, Is Regarded As One Of The Most Important Contributions To The Field Of Motivational Research. Maslow Proposed That H Jan 1th, 2024

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