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Surface Area = 2(wd + wh + dh) h r Cylinder Volume = r2 Surface Area = 2 r h+2 r2 Cube 3 Surface Area = 6s2 s s s √ Right Circular Cone r h Trapezoid h Area = ½(a + b)h b h h a Constants g = 9.8 m/s2 = 32.27 ft/s2 G = 6.67 x 10-11 m3/kg·s2 π = 3.14159 h Irregular Prism Volume = Ah A = area of base a Right Triangle c2 = a2 + b2 b c θ

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Chapter - 5.2 BERNOULLI'S FORMULA 4 Hrs. Evaluation of the integrals , and where using Bernoulli's formula. ... 2 Engineering Mathematics-II 1.1.2 General Equation of the circle: The General Equation of the circle is x 2 + y + 2gx + 2fy + c = 0 ----- (2)

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Chapter - 3.3 SUM AND PRODUCT FORMULAE 7 Hrs. Trigonometrical ratios of sum and product formulae. Simple Problems. 30012 ENGINEERING MATHEMATICS - I DETAILED SYLLABUS for examination). Solution of simultaneous equations using Cramer's rule (in 2 and 3 unknowns) - Simple Problems.

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