Government College of Engineering, Amravati

(An Autonomous Institution of Government of Maharashtra)

Q.4] What is minimal spanning tree? Explain prim's algorithm in	Q.1] Draw Hasse diagram for D30, where Dn denotes set Q.2] Minimize the expression & design its logic diagram: Q.3] What is a tree? Draw tree for the algebraic expresprefix and postfix polish notations along with their value Q.4] What is Graph? Explain its special 4 types in detaivertices in a graph is equal to twice the number of edges.	Class Test - II (W-2015)
e? Explain prim's algorithm in detail wi	Q.1] Draw Hasse diagram for D ₃₀ , where Dn denotes set of all divisors of n. [2m] Q.2] Minimize the expression & design its logic diagram: f(a,b,c,d) = \(\sum_{0.1,2,4,5,6,8,9,10,12,13,14} \) [3m] Q.3] What is a tree? Draw tree for the algebraic expression: (7 + (6 - p)) * (q - (r - 4)) and find its infix, prefix and postfix polish notations along with their values if p=2, q = 6 and r = 8. [5m] Q.4] What is Graph? Explain its special 4 types in detail and Prove that the sum of the degrees of all the vertices in a graph is equal to twice the number of edges. [5m]	Course Name - MGT
detail with example. [5m]	1. [2m] 2,4,5,6,8,9,10,12,13,14. [3m] 3 * (q - (r - 4)) and find its inf 4 r = 8. [5m] the sum of the degrees of all t	Course Code - CSU 303



