

Problem 1 (20 points)

Answers are 1 point each (12 points in total)

Two nodal equations 4 point each (8 points in total)

Problem 2 (20 points)

Answers are 1 point each (12 points in total)

Three mesh equations 3 point each (8 points in total)

Problem 3 (15 points)

Each answer is 3 points

Problem 4 (20 points)

Transfer function (10 points)

Extreme cases (10 points)

Bode plot (5 points)

Problem 5 (20 points)

V_{th} 5 points

Z_{th} 5 points

Load Z 5 points

P_{max} 5 points