

Name of the Student: _____

Max. Marks : 11 Marks

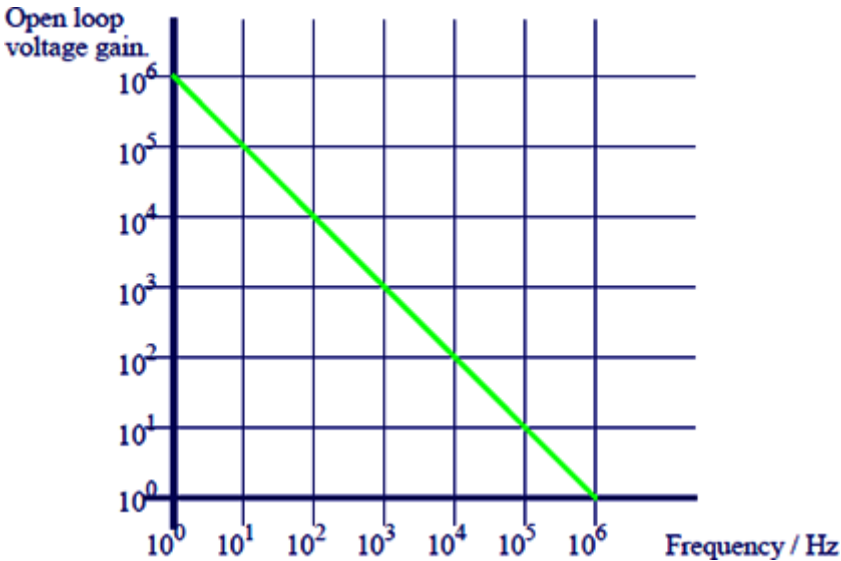
Time : 11 Minutes

Mark Schemes

Q1.

- (a) Feedback resistor from output to -ve input
 Correct inverting or non-inverting amplifier circuit
 For inverting, 4.7kΩ and 470kΩ in the correct place
 For non-inverting, 4.7Ω input resistor AND two resistors in ratio of 99 / 100 4

- (b) Formula
 120mV
 0.12V
 (No unit error if obvious) 2

- (c)  3
- Positive gradient = no marks
 Correct intercept on vertical axis
 Correct intercept on horizontal axis
 Straight line joining

- (d) (No possible ecf from (c))
 Calculation
 10kHz 2

[11]