**RF Exercises**

1. Stainless steel waveguide with wall thickness 3mm having Gold plating of 500 microns will give low losses at 352 MHz than Aluminum waveguide.

a. No

b. Yes

c. Can not compare

d. Improper question

1. Cable with return loss 40 dB is better than cable with return loss 20 dB.

a. No

b. Yes

c. Can not compare

d. Improper question

1. An impedance 50 Ohm is used as matched impedance.

a. Always

b. Not always

c. Because it offers low loss

d. Because it handles high power

1. A generator with impedance 50 Ohm can transfer maximum power to load 50 + j 100.

a. Never

b. Always

c. With some modification

d. Irrelevant

1. A transmission line shorted at one end can behave as an open circuit.

a. Never

b. by cutting it

c. By adjusting length

d. By adding a resistor of few MOhm

1. A coaxial line of impedance 25 Ohm can be connected to the coaxial line with impedance 50 Ohm without any mismatch.

a. Never

b. by connecting two 25 Ohm coaxial lines in series

c. By connecting two 50 Ohm coaxial lines in parallel

d. By adding coaxial line with 35 Ohm in between these two coaxial lines.