Assignment 0

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1) In a rectangular waveguide
   - TE mode only exist
   - TM mode only exist
   - Both TE and TM modes exist
   - TE, TM and TEM modes exist

No, the answer is incorrect.
Score: 0
Accepted Answers:
Both TE and TM modes exist

2) In a non-dispersive media as we are moving away from the load, magnitude of the reflection coefficient value
   - Increases
   - decreases
   - Remains constant

No, the answer is incorrect.
Score: 0
Accepted Answers:
Remains constant

3) In the admittance smith chart, upper portion of the smith chart represents
   - Resistance
   - capacitance
   - Inductance

No, the answer is incorrect.
Score: 0
Accepted Answers:
capacitance

4) A Transmission line with characteristic impedance of 70 Ω, is excited with a load impedance (0Ω+j40 Ω). What is the voltage minimum value occurring in the transmission line?
   - 14.48 V
   - 10.56 V
   - 26.54 V
   - 0 V

No, the answer is incorrect.
Score: 0
Accepted Answers:
14.48 V

5) A transmission line has propagation constant γ = 0.01 + (0.05), characteristic impedance Z₀ = 50 Ω and a load Z₁ = 50 +j50 Ω is connected at one end. The impedance on the line at the load end is
   - 50
   - 100+j50
   - 50+j50
   - j50

No, the answer is incorrect.
Score: 0
Accepted Answers:
50+j50