

# Microwave Engineering Questions and Answers – Antenna Basics

This set of Microwave Engineering Multiple Choice Questions & Answers (MCQs) focuses on “Antenna Basics”.

1. The basic requirements of transmitting antennas are:

- a) High efficiency
- b) Low side lobes
- c) Large signal to noise ratio
- d) None of the mentioned

[View Answer](#)

**Answer:** a

**Explanation:** The basic requirements of a transmitting antenna are high gain and efficiency while requirements of receiving antennas are low side lobes and large signal to noise ratio.

2. \_\_\_\_\_ is a device that converts electrons to photons or vice-versa.

- a) Antenna
- b) Electron gun
- c) Photon amplifier
- d) Microwave tube

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**Answer:** a

**Explanation:** Antenna is a device that converts electrons into photons or vice versa. A transmitting antenna converts electrons into photons while a receiving antenna converts photons into electrons.

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**Lingsheng Yao**

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1 2 2 we know that the force

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web answers and solutions for chapter 22 reading check questions 1 electrostatics is the term for electricity at rest 2 electrical forces cancel out leaving weaker gravity predominant 3 the nucleus and its protons are positively