

# Technician Class Course: Homework 2

Directions:

1. Read the book pages specified and fill in the answers to the questions below.
2. While reading also **highlight** the correct answer to each FCC test question and Gordon's keywords (in blue) in the explanation. **Do not read the incorrect answers!**
3. Watch the following two videos on Youtube:  
<https://www.youtube.com/watch?v=gZpff8IFsnM>

Brief summary: \_\_\_\_\_

<https://www.youtube.com/watch?v=izwrH3H4m3E> (first 7 minutes or so)

Brief summary: \_\_\_\_\_

## **CONTROL OPERATOR DUTIES (Pages 44-48)**

1. A control operator must be present when a ham station is used for \_\_\_\_\_?
2. Repeaters may operate under \_\_\_\_\_ control.
3. What agreement must be in place to operate in a foreign country? \_\_\_\_\_

## **RULES AND REGULATIONS (Pages 49-53)**

1. Who enforces our rules and regulations? \_\_\_\_\_
2. When may you conduct your own business operation over ham radio? \_\_\_\_\_
3. When are codes and ciphers allowed? \_\_\_\_\_
4. What about bad or indecent language? \_\_\_\_\_
5. Generally, is music allowed on the air? \_\_\_\_\_
6. How much power output SHOULD you run? \_\_\_\_\_
7. When may the FCC inspect your home station? \_\_\_\_\_
8. Where to obtain a printed copy of Part 97? www. \_\_\_\_\_ org

## **TECHNICIAN FREQUENCIES (Page 54-62)**

1. Top end of voice frequencies? \_\_\_\_\_ Hertz
2. Frequencies above 20,000 Hertz are considered \_\_\_\_\_ waves.
3. Velocity of a radio wave in space? \_\_\_\_\_
4. Another name for cycles per second? \_\_\_\_\_

5. Kilo means \_\_\_\_\_ cycles.
6. Mega means \_\_\_\_\_ cycles.
7. VHF extends from 30MHz to \_\_\_\_\_ MHz.
8. UHF extends from 300MHz to \_\_\_\_\_ MHz.
9. 6 meter band limits \_\_\_\_\_?
10. 2 meter band limits \_\_\_\_\_?
11. 70 cm band limits \_\_\_\_\_?

### **YOUR FIRST RADIO (Pages 63-68)**

1. Another name for a combined transmitter and receiver \_\_\_\_\_?
2. This will help you hear your handheld in a crowd? \_\_\_\_\_
3. Put your favorite frequency in your radio's \_\_\_\_\_ channel.
4. This control silences background noise \_\_\_\_\_.
5. Have plenty of these when operating your handheld in the field \_\_\_\_\_.
6. This device increases output power in a mobile \_\_\_\_\_.
7. Go to this page in the book to find equipment sellers \_\_\_\_\_.
8. Your first radio, a handheld, should have how many bands? \_\_\_\_\_
9. Two most popular bands in a dual band handheld? \_\_\_\_\_ and \_\_\_\_\_
10. Ask the radio dealer to please \_\_\_\_\_ popular repeater channels in your new equipment.

### **GOING ON THE AIR (Pages 69-78)**

1. Don't transmit before you \_\_\_\_\_?
2. Call this on 6 meters to seek a contact? \_\_\_\_\_
3. Say this on 2 meters and 70 cm to seek a contact? \_\_\_\_\_
4. Say this to break into an on-going conversation. \_\_\_\_\_
5. Popular wearing apparel when operating at a public service event. \_\_\_\_\_
6. What is that voluntary guideline for specific types of operation on a band? \_\_\_\_\_
7. What is the "Q" code for interference from another station? \_\_\_\_\_
8. What is the "Q" code for powerline interference? \_\_\_\_\_
9. What is the "Q" code for location? \_\_\_\_\_
10. What is the "Q" code for change frequency? \_\_\_\_\_

11. What is the "Q" code for signing off? \_\_\_\_\_
12. What is a ham name for finding a hidden transmitter? \_\_\_\_\_

**FUN ON REPEATERS (Pages 79-85)**

1. What device can extend range? \_\_\_\_\_
2. You need to know this to operate through a repeater? \_\_\_\_\_
3. Common repeater split for 2 meters? \_\_\_\_\_
4. Common repeater split for 70 cm? \_\_\_\_\_
5. Another name for CTCSS? \_\_\_\_\_
6. Why is the repeater sending Morse code? \_\_\_\_\_
7. A system of repeaters tied together? \_\_\_\_\_
8. A repeater system available for everyone to use? \_\_\_\_\_
9. A repeater system requiring membership? \_\_\_\_\_
10. All repeaters should be \_\_\_\_\_ by a local volunteer group?
11. Transmitting and receiving on the same frequency to minimize tying up a repeater \_\_\_\_?
12. Look up your local repeater [www.\\_\\_\\_\\_\\_.com](http://www._____.com)