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=gZpf8IFsnM
   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.


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