

Amateur Radio Service Technician Class

Exam Preparation Class
April - May 2020
Session 1

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These slides are uploaded to West Desert Amateur
Radio Club website

<http://westdesertarc.org/>

On the same website are all of the Technician Class
License Exam questions and answers

Roland K. Smith



Amateur Radio Callsign K7OJL
First licensed in February 1959
Hold an Amateur Extra license
Active in community and
emergency services
Regularly on the air using
digital modes


- Retired from the Idaho National Laboratory
- Tooele resident since November 2017
- Vice President of the West Desert Amateur Radio Club
- Tooele County Emergency Management liaison to the amateur radio community in Tooele County
- ARRL Tooele County Emergency Coordinator


Getting Started


- This class will teach the fundamentals and information that the Amateur Radio Operator needs to know.
 - It doesn't "teach the test".
- www.hamstudy.org is where you'll study the actual test questions and take practice tests.
 - If you will fully participate in the class and spend 1-2 hours/week during the last 2 weeks on hamstudy.org, you will pass the test.



Technician Class (Begins Jul 4, 2018) ▾

 Study Flash Cards

 Read Questions

 Practice Test

To see your study history,
please [Log In](#) or [Register](#)
for a FREE account!

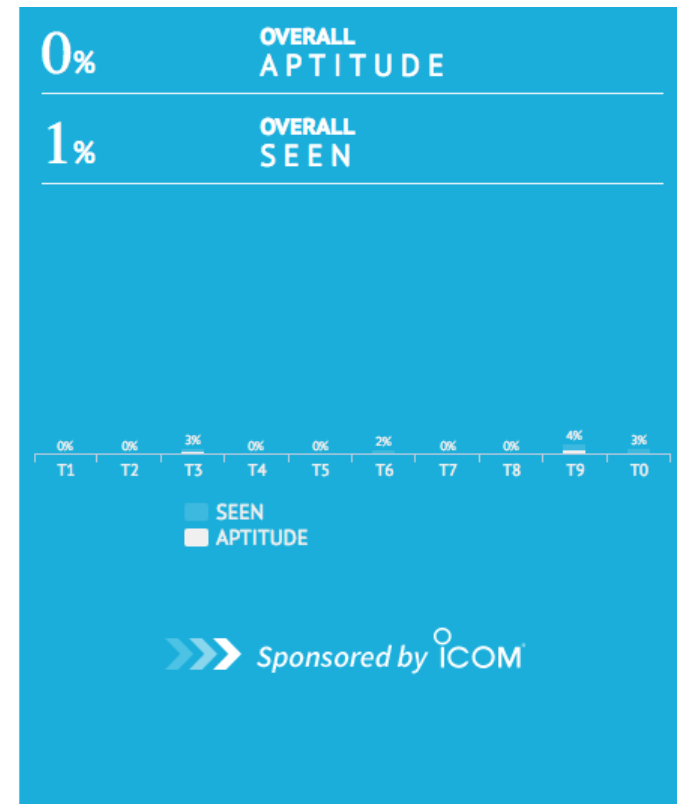
hamstudy.org

T5
C01

What is the ability to store energy in an electric field called?

- A. Resistance
- B. Capacitance
- C. Tolerance
- D. Inductance

type or click response



Registering on HamStudy.org

- The website is <https://hamstudy.org/>
- Click on “Register for FREE” in upper right
- Enter your email address and accept the terms
- You’ll receive an email at that address to complete the registration. Follow the instructions and call me (435-849-1946) if there are any issues

Examination Topics

- 1: FCC Rules, descriptions, and definitions for the Amateur Radio Service, operator and station license responsibilities (*Pool Questions: 67, 6 on Test*)
- 2: Operating Procedures (*Pool Questions: 38, 3 on Test*)
- 3: Radio wave characteristics: properties of radio waves; propagation modes (*Pool Questions: 35, 3 on Test*)
- 4: Amateur radio practices and station set-up (*Pool Questions: 24, 2 on Test*)
- 5: Electrical principles: math for electronics; electronic principles; Ohm's Law (*Pool Questions: 57, 4 on Test*)

Examination Topics

- 6: Electrical components; circuit diagrams; component functions (*Pool Questions: 47, 4 on Test*)
- 7: Station equipment: common transmitter and receiver problems; antenna measurements; troubleshooting; basic repair and testing (*Pool Questions: 47, 4 on Test*)
- 8: Modulation modes: amateur satellite operation; operating activities; non-voice and digital communications (*Pool Questions: 48, 4 on Test*)
- 9: Antennas and feed lines (*Pool Questions: 23, 2 on Test*)
- 10: Electrical safety: AC and DC power circuits; antenna installation; RF hazards (*Pool Questions: 37, 3 on Test*)

Let's Get Started!