

Results for sample technician2014 test paper

Your answers are marked like this:

✓ **A. You got this question right, this is your correct answer.**

✗ *A. You got this question wrong, this is your incorrect answer.*

✓ *A. You got this question wrong, this is the correct answer.*

✓ **A. You didnt answer this question but this would be the correct answer.**

Subelement T0

1: T0A05

Why is it unwise to install a 20-ampere fuse in the place of a 5-ampere fuse?

- A. The larger fuse would be likely to blow because it is rated for higher current
- B. The power supply ripple would greatly increase

✓ **C. Excessive current could cause a fire**

- D. All of these choices are correct

2: T0B02

What is a good precaution to observe before climbing an antenna tower?

- A. Make sure that you wear a grounded wrist strap
- B. Remove all tower grounding connections

✓ **C. Put on a climbing harness and safety glasses**

- D. All of the these choices are correct

3: T0C04

What factors affect the RF exposure of people near an amateur station antenna?

- A. Frequency and power level of the RF field
- B. Distance from the antenna to a person
- C. Radiation pattern of the antenna

✓ **D. All of these choices are correct**

Subelement T1

4: T1A11

When is willful interference to other amateur radio stations permitted?

- A. Only if the station being interfered with is expressing extreme religious or political

views

☒ **B. At no time**

C. Only during a contest

D. At any time, amateurs are not protected from willful interference

5: T1B06

Which 23 cm frequency is authorized to a Technician Class licensee?

A. 2315 MHz

☒ **B. 1296 MHz**

C. 3390 MHz

D. 146.52 MHz

6: T1C07

What may result when correspondence from the FCC is returned as undeliverable because the grantee failed to provide the correct mailing address?

A. Fine or imprisonment

☒ **B. Revocation of the station license or suspension of the operator license**

C. Require the licensee to be re-examined

D. A reduction of one rank in operator class

7: T1D11

When may an amateur station transmit without identifying?

A. When the transmissions are of a brief nature to make station adjustments

B. When the transmissions are unmodulated

C. When the transmitted power level is below 1 watt

☒ **D. When transmitting signals to control a model craft**

8: T1E09

What type of control is being used when the control operator is at the control point?

A. Radio control

B. Unattended control

C. Automatic control

☒ **D. Local control**

9: T1F01

What type of identification is being used when identifying a station on the air as Race Headquarters?

☒ **A. Tactical call sign**

B. An official call sign reserved for RACES drills

C. SSID

D. Broadcast station

Subelement T2

10: T2A01

What is the most common repeater frequency offset in the 2 meter band?

- A. Plus 500 kHz
- ☒ **B. Plus or minus 600 kHz**
- C. Minus 500 kHz
- D. Only plus 600 kHz

11: T2B06

What happens when the deviation of an FM transmitter is increased?

- ☒ **A. Its signal occupies more bandwidth**
- B. Its output power increases
- C. Its output power and bandwidth increases
- D. Asymmetric modulation occurs

12: T2C07

Which of the following is an accepted practice for an amateur operator who has checked into an emergency traffic net?

- A. Provided that the frequency is quiet, announce the station call sign and location every 5 minutes
- B. Move 5 kHz away from the net's frequency and use high power to ask other hams to keep clear of the net frequency
- ☒ **C. Remain on frequency without transmitting until asked to do so by the net control station**
- ☒ **D. All of the choices are correct**

Subelement T3

13: T3A11

Which part of the atmosphere enables the propagation of radio signals around the world?

- A. The stratosphere
- B. The troposphere
- ☒ **C. The ionosphere**
- D. The magnetosphere

14: T3B06

What is the formula for converting frequency to approximate wavelength in meters?

- A. Wavelength in meters equals frequency in hertz multiplied by 300
- B. Wavelength in meters equals frequency in hertz divided by 300
- C. Wavelength in meters equals frequency in megahertz divided by 300
- ☒ **D. Wavelength in meters equals 300 divided by frequency in megahertz**

15: T3C11

Why do VHF and UHF radio signals usually travel somewhat farther than the visual line of sight distance between two stations?

- A. Radio signals move somewhat faster than the speed of light
- B. Radio waves are not blocked by dust particles

☒ **C. The Earth seems less curved to radio waves than to light**

D. Radio waves are blocked by dust particles

Subelement T4

16: T4A07

How is a computer's sound card used when conducting digital communications using a computer?

- A. The sound card communicates between the computer CPU and the video display
- B. The sound card records the audio frequency for video display

☒ **C. The sound card provides audio to the microphone input and converts received audio to digital form**

D. All of these choices are correct

17: T4B03

What is the purpose of the squelch control on a transceiver?

- A. To set the highest level of volume desired
- B. To set the transmitter power level
- C. To adjust the automatic gain control

☒ **D. To mute receiver output noise when no signal is being received**

Subelement T5

18: T5A08

Which of the following is a good electrical insulator?

A. Copper

☒ **B. Glass**

C. Aluminum

D. Mercury

19: T5B02

What is another way to specify a radio signal frequency of 1,500,000 hertz?

☒ **A. 1500 kHz**

B. 1500 MHz

C. 15 GHz

D. 150 kHz

20: T5C04

What is the basic unit of inductance?

A. The coulomb

B. The farad

☒ **C. The henry**

D. The ohm

21: T5D11

What is the voltage across a 10-ohm resistor if a current of 1 ampere flows through it?

- A. 1 volt
- ✓ B. 10 volts
- C. 11 volts
- D. 9 volts

Subelement T6

22: T6A07

What electrical component is usually composed of a coil of wire?

- A. Switch
- B. Capacitor
- C. Diode
- ✓ D. Inductor

23: T6B09

What are the names of the two electrodes of a diode?

- A. Plus and minus
- B. Source and drain
- ✓ C. Anode and cathode
- D. Gate and base

24: T6C12

What do the symbols on an electrical circuit schematic diagram represent?

- ✓ A. Electrical components
- B. Logic states
- C. Digital codes
- D. Traffic nodes

25: T6D11

What is a simple resonant or tuned circuit?

- ✓ A. An inductor and a capacitor connected in series or parallel to form a filter
- B. A type of voltage regulator
- C. A resistor circuit used for reducing standing wave ratio
- D. A circuit designed to provide high fidelity audio

Subelement T7

26: T7A11

Where is an RF preamplifier installed?

- ✓ A. Between the antenna and receiver

- B. At the output of the transmitter's power amplifier
- C. Between a transmitter and antenna tuner
- D. At the receiver's audio output

27: T7B05

How can overload of a non-amateur radio or TV receiver by an amateur signal be reduced or eliminated?

- ☒ **A. Block the amateur signal with a filter at the antenna input of the affected receiver**
- B. Block the interfering signal with a filter on the amateur transmitter
- C. Switch the transmitter from FM to SSB
- D. Switch the transmitter to a narrow-band mode

28: T7C01

What is the primary purpose of a dummy load?

- ☒ **A. To prevent the radiation of signals when making tests**
- B. To prevent over-modulation of your transmitter
- C. To improve the radiation from your antenna
- D. To improve the signal to noise ratio of your receiver

29: T7D04

Which instrument is used to measure electric current?

- A. An ohmmeter
- B. A wavemeter
- C. A voltmeter
- ☒ **D. An ammeter**

Subelement T8

30: T8A05

Which of the following types of emission has the narrowest bandwidth?

- A. FM voice
- B. SSB voice
- ☒ **C. CW**
- D. Slow-scan TV

31: T8B10

What do the initials LEO tell you about an amateur satellite?

- A. The satellite battery is in Low Energy Operation mode
- B. The satellite is performing a Lunar Ejection Orbit maneuver
- ☒ **C. The satellite is in a Low Earth Orbit**
- D. The satellite uses Light Emitting Optics

32: T8C10

How do you select a specific IRLP node when using a portable transceiver?

- A. Choose a specific CTCSS tone

- B. Choose the correct DSC tone
- C. Access the repeater autopatch

✓ **D. Use the keypad to transmit the IRLP node ID**

33: T8D01

Which of the following is an example of a digital communications method?

- A. Packet
- B. PSK31
- C. MFSK

✓ **D. All of these choices are correct**

Subelement T9

34: T9A09

What is the approximate length, in inches, of a 6 meter 1/2-wavelength wire dipole antenna?

- A. 6
- B. 50

✓ **C. 112**

- D. 236

35: T9B08

Why should coax connectors exposed to the weather be sealed against water intrusion?

✓ **A. To prevent an increase in feed line loss**

- B. To prevent interference to telephones
- C. To keep the jacket from becoming loose
- D. All of these choices are correct

Results:

You scored 34 correct answers and 1 incorrect answers from a total of 35.

You would have passed the exam! Congratulations!

e)

Click here to [take another test](#).

Please mail any comments to me, [Simon AA9PW](#), I appreciate your feedback. If you Like the site, please Like us on Facebook!



aa9pw
1,885 likes

Like Page

Share

Be the first of your friends to like this

