

# EEG and QEEG Instrumentation

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## Test Introduction

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Question Bank: 4,642 Questions

Test Questions

1 Test Assignment

Question 1


Generic Parent » Instrumentation

1 pt

Which of these is related to EEG signal frequency?

A. amplitude

B. coherence

 C. cycles per second

D. phase

Question Type:

Multiple Choice

Randomize Answers:

Yes

Date Added:

Fri 14th Jun 2019

Last Modified:

N/A

QID#:


17,054,854


Correctly answered feedback


Frequency is the number of cycles completed each second and is measured in Hz.


Incorrectly answered feedback


Frequency is the number of cycles completed each second and is measured in Hz.

 Answers

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## Question 2

Generic Parent » Instrumentation

1 pt

Which is measured in microvolts?

- A. frequency
- B. gain
- C. impedance
- ✓ D. signal strength

**Question Type:** Multiple Choice  
**Randomize Answers:** Yes  
**Date Added:** Fri 14th Jun 2019  
**Last Modified:** N/A  
**QID#:** 17,054,868

### Correctly answered feedback

Signal strength or amplitude is measured in microvolts.

### Incorrectly answered feedback

Signal strength or amplitude is measured in microvolts.

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## Question 3

Generic Parent » Generic

1 pt

The old standard of achieving skin-electrode impedance below 5 Kohms has been challenged as unnecessary and risks infection transmission.

- ✓ A. True
- B. False

**Question Type:** True False  
**Date Added:** Fri 21st Jan 2022  
**Last Modified:** N/A  
**QID#:** 30,227,139

### Correctly answered feedback

The old standard of achieving skin-electrode impedance below 5 Kohms has been challenged as unnecessary and risks infection transmission.

### Incorrectly answered feedback

The old standard of achieving skin-electrode impedance below 5 Kohms has been challenged as unnecessary and risks infection transmission.

## Question 4

Generic Parent » EEG and Electrophysiology

1 pt

Those sites labeled with a "z" are located

- ✓ **A.** along the midline.
- B.** near theinion.
- C.** near the nasion.
- D.** near the occipital protuberance.

**Question Type:** Multiple Choice  
**Randomize Answers:** Yes  
**Date Added:** Wed 12th Jun 2019  
**Last Modified:** N/A  
**QID#:** 17,039,159

### Correctly answered feedback

Those sites labeled with a "z" are located along the midline.

### Incorrectly answered feedback

Those sites labeled with a "z" are located along the midline.

## Question 5

Generic Parent » Generic

1 pt

The nasion is the depression at the bridge of the nose.

- ✓ **A.** True
- B.** False

**Question Type:** True False  
**Date Added:** Fri 21st Jan 2022  
**Last Modified:** N/A  
**QID#:** 30,227,135

### Correctly answered feedback

The nasion is the depression at the bridge of the nose.

### Incorrectly answered feedback

The nasion is the depression at the bridge of the nose.

## Question 6

Generic Parent » EEG and Electrophysiology

1 pt

A \_\_\_\_\_ refers to both the process of recording from a pair of electrodes in an EEG channel and the resulting EEG record.

- ✓ **A.** derivation
- B.** montage
- C.** polygraphic recording
- D.** topographic analysis

**Question Type:** Multiple Choice  
**Randomize Answers:** Yes  
**Date Added:** Wed 12th Jun 2019  
**Last Modified:** Wed 12th Jun 2019  
**QID#:** 17,038,549

### Correctly answered feedback

A derivation refers to both the process of recording from a pair of electrodes in an EEG channel and the resulting EEG record.

### Incorrectly answered feedback

A derivation refers to both the process of recording from a pair of electrodes in an EEG channel and the resulting EEG record.

## Question 7

Generic Parent » EEG and Electrophysiology

1 pt

Which term refers to the particular arrangement by which a number of pairs of electrodes in EEG channels are simultaneously displayed in an EEG record.

- A.** derivation
- ✓ **B.** montage
- C.** polygraphic recording
- D.** referential derivation

**Question Type:** Multiple Choice  
**Randomize Answers:** Yes  
**Date Added:** Wed 12th Jun 2019  
**Last Modified:** Wed 12th Jun 2019  
**QID#:** 17,038,553

### Correctly answered feedback

A montage is the particular arrangement by which a number of pairs of electrodes in EEG channels (derivations) are simultaneously displayed in an EEG record.

**Incorrectly answered feedback**

A montage is the particular arrangement by which a number of pairs of electrodes in EEG channels (derivations) are simultaneously displayed in an EEG record.

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## Question 8

Generic Parent » EEG and Electrophysiology

1 pt

A montage in which the reference electrode is common to multiple derivations is termed a(n) \_\_\_\_\_ montage.

- A. average reference
- B. sequential
- ✓ C. common electrode reference
- D. weighted average reference

**Question Type:** Multiple Choice  
**Randomize Answers:** Yes  
**Date Added:** Sat 18th Jul 2020  
**Last Modified:** N/A  
**QID#:** 22,514,467

**Correctly answered feedback**

A montage in which the reference electrode is common to multiple derivations is termed a common reference montage.

**Incorrectly answered feedback**

A montage in which the reference electrode is common to multiple derivations is termed a common reference montage.

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## Question 9

Generic Parent » Instrumentation

1 pt

\_\_\_\_\_ artifact is usually the strongest source of contamination during EEG recording.

- ✓ A. Sixty-Hz (50-Hz)
- B. EDA
- C. EKG
- D. EOG

**Question Type:** Multiple Choice  
**Randomize Answers:** Yes  
**Date Added:** Fri 14th Jun 2019  
**Last Modified:** N/A  
**QID#:** 17,054,834

**Correctly answered feedback**

Sixty-Hz (50-Hz) artifact is usually the most powerful source of EEG signal contamination.

**Incorrectly answered feedback**

Sixty-Hz (50-Hz) artifact is usually the most powerful source of EEG signal contamination.

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## Question 10

Generic Parent » Instrumentation

1 pt

In North America, contamination from line current occurs primarily at

- A. 20 Hz.
- B. 40 Hz.
- ✓ C. 60 Hz.
- D. 100 Hz.

**Question Type:** Multiple Choice  
**Randomize Answers:** Yes  
**Date Added:** Fri 14th Jun 2019  
**Last Modified:** N/A  
**QID#:** 17,054,841

**Correctly answered feedback**

In North America, line current artifact produces the greatest contamination at 60 Hz. There may also be interference at 120 Hz and 180 Hz due to harmonics or multiples of 60-Hz artifact.

**Incorrectly answered feedback**

In North America, line current artifact produces the greatest contamination at 60 Hz. There may also be interference at 120 Hz and 180 Hz due to harmonics or multiples of 60-Hz artifact.

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