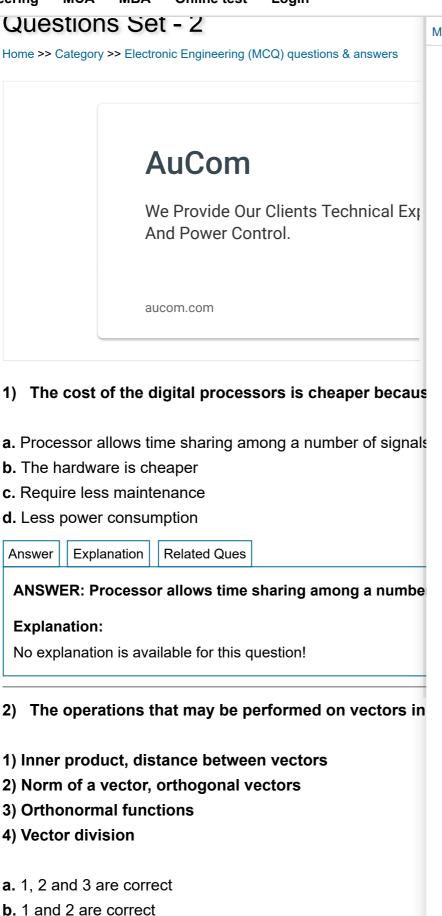
Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login



Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs

Engineering MCA MBA Online test Login

Explanation:

No explanation is available for this question!

- 3) The norm or length of a signal is given by
- a. The square of the energy of the signal
- **b.** The square root of the energy of the signal
- c. The inverse of the energy of the signal
- d. The cube root of the energy of the signal

Answer

Explanation

Related Ques

ANSWER: The square root of the energy of the signal

Explanation:

No explanation is available for this question!

Grow sales with our new Recommend Smarts

Learn More

- 4) The principle of Gram-Schmidt Orthogonalization (G can be expressed as
- **a.** Summation of N ortho normal basis functions, where $N \le M$.
- **b.** Linear combinations of N ortho normal basis functions, where $N \le M$.
- **c.** Product of logarithmic combinations of N ortho normal basis functions, where $N \le M$.
- **d.** Product of inverse squares of N ortho normal basis functions, where $N \le M$.

Answer

Explanation

Related Ques

ANSWER: Linear combinations of N ortho normal basis functions, where $N \le M$.

Explanation:

- 5) A signal x[n] is anti symmetric or odd when
- **a.** $x[-n] = x[n] \cdot x[n]$
- **b.** x[n] = -x[n]
- **c.** $x[n] = [x[n]]^2$
- **d.** x[-n] = -x[n]

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

6) Time shifting of discrete time signal means

- **a.** y[n] = x[n-k]
- **b.** y[n] = x[-n-k]
- **c.** y[n] = -x[n-k]
- **d.** y[n] = x[n+k]

Answer

Explanation

Related Ques

ANSWER: y[n] = x[n-k]

Explanation:

No explanation is available for this question!

7) Time reversal of a discrete time signal refers to

- **a.** y[n] = x[-n+k]
- **b.** y[n] = x[-n]
- **c.** y[n] = x[-n-k]
- **d.** y[n] = x[n-k]

Answer

Explanation

Related Ques

ANSWER: y[n] = x[-n]

Explanation:

No explanation is available for this question!

8) Causal systems are the systems in which

- a. The output of the system depends on the present and the past inputs
- b. The output of the system depends only on the present inputs

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

ResumeCoach

c. The output of the system depends only on the past inputs



d. The output of the system depends on the present input as well as the previous output

Answer

Explanation

Related Ques

ANSWER: The output of the system depends on the present and the past inputs

Explanation:

- 9) The basic properties of DFT includes
- 1) Linearity
- 2) Periodicity
- 3) Circular symmetry
- 4) Summation

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

ANSWER: 1, 2 and 3 are correct

Explanation:

No explanation is available for this question!

- 10) Padding of zeros increases the frequency resolution.
- a. True
- b. False

Answer | Explanation | Related Ques

ANSWER: False

Explanation:

No explanation is available for this question!

11) Circular shift of an N point is equivalent to

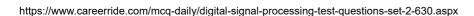
- a. Circular shift of its periodic extension and its vice versa
- b. Linear shift of its periodic extension and its vice versa
- c. Circular shift of its aperiodic extension and its vice versa
- d. Linear shift of its aperiodic extension and its vice versa

Answer Explanation Related Ques

ANSWER: Linear shift of its periodic extension and its vice versa

Explanation:

- 12) The circular convolution of two sequences in time domain is equivalent to
- a. Multiplication of DFTs of two sequences
- b. Summation of DFTs of two sequences



Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

Explanation:

No explanation is available for this question!

13) For the calculation of N- point DFT, Radix -2 FFT algorithm repeats

- a. 2(N Log2 N) stages
- b. (N Log2 N)²/2 stages
- c. (N Log2 N)/2 stages
- d. (N Log2(2 N))/2 stages

Answer

Explanation

Related Ques

ANSWER: (N Log2 N)/2 stages

Explanation:

No explanation is available for this question!

14) Radix - 2 FFT algorithm performs the computation of DFT in

- a. N/2Log2 N multiplications and 2Log2 N additions
- b. N/2Log2 N multiplications and NLog2 N additions
- c. Log2 N multiplications and N/2Log2 N additions
- d. NLog2 N multiplications and N/2Log2 N additions

Answer

Explanation

Related Ques

ANSWER: N/2Log2 N multiplications and NLog2 N additions

Explanation:

No explanation is available for this question!

15) The overlap save method is used to calculate

- a. The discrete convolution between a sampled signal and a finite impulse response (FII
- **b.** The discrete convolution between a sampled signal and an infinite impulse response
- c. The discrete convolution between a very long signal and a finite impulse response (FI
- d. The discrete convolution between a very long signal and a infinite impulse response (

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

16) Overlap-Add Method Deals with principles that

- **a.** The linear convolution of a discrete-time signal of length L and a discrete-time signal α discrete-time convolved result of length L + M 1
- **b.** The linear convolution of a discrete-time signal of length L and a discrete-time signal of discrete-time convolved result of length L + M
- **c.** The linear convolution of a discrete-time signal of length L and a discrete-time signal of discrete-time convolved result of length 2L + M 1
- **d.** The linear convolution of a discrete-time signal of length L and a discrete-time signal of discrete-time convolved result of length 2L + 2M 1

Answer | Explanation | Related Ques

ANSWER: The linear convolution of a discrete-time signal of length L and a discrete-ti M produces a discrete-time convolved result of length L + M - 1

Explanation:

No explanation is available for this question!

17) ROC does not have

- a. zeros
- **b.** poles
- c. negative values
- d. positive values

Answer Explanation Related Ques

ANSWER: poles

Explanation:

No explanation is available for this question!

18) Damping is the ability of a system

- a. To support oscillatory nature of the system's transient response
- **b.** To oppose the continuous nature of the system's transient response



Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

Explanation:

No explanation is available for this question!

19) The condition for a system to be causal is

- a. All poles of its transfer function must be left half of s-plane
- b. All poles of its transfer function must be right half of s-plane
- c. All zeros of its transfer function must be right half of s-plane
- d. All zeros of its transfer function must be left half of s-plane

Answer | Explanation | Related Ques

ANSWER: All poles of its transfer function must be right half of s-plane

Explanation:

No explanation is available for this question!

20) The condition for a system to be stable is

- a. All poles of its transfer function lie on the left half of s-plane
- b. All poles of its transfer function must be right half of s-plane
- c. All zeros of its transfer function must be right half of s-plane
- d. All zeros of its transfer function must be left half of s-plane

Answer Explanation Related Ques

ANSWER: All poles of its transfer function lie on the left half of s-plane

Explanation:

No explanation is available for this question!

21) Partial fraction method involves

- a. Allotting coefficients
- **b.** Dividing the numerator by denominator to get fractions
- c. Dividing single fraction into parts
- d. None of the above

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

- 22) The factors formed for partial fraction are a combination of
- 1) Linear factors
- 2) Irreducible quadratic factors
- 3) Square roots
- 4) Cube roots
- a. 1, 2 and 3 are correct
- b. 1 and 2 are correct
- c. 2 and 3 are correct
- d. All the four are correct

Answer Explanation Related Ques

ANSWER: 1 and 2 are correct

Explanation:

No explanation is available for this question!

- 23) For a partial fraction method to be followed,
- 1) The degree of the numerator must be more than the degree of the denominator.
- 2) The factors formed for partial fraction are a combination of Linear factors and lifactors.
- 3) The degree of the numerator must be less than the degree of the denominator.
- 4) The factors formed for partial fraction are a combination of Linear factors and S
- a. 1, 2 and 3 are correct
- b. 1 and 2 are correct
- c. 2 and 3 are correct
- d. All the four are correct

Answer Explanation Related Ques

ANSWER: 2 and 3 are correct

Explanation:

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

c.
$$1/(x-1) + 2/(x-1)^2 - 3/x^2$$

d.
$$1/(x+1) + 2/(x+1)^2 - 1/x$$

Answer

Explanation

Related Ques

ANSWER: $1/(x-1) + 2/(x-1)^2 - 1/x$

Explanation:

No explanation is available for this question!

25) The impulse invariant method is obtained by

- a. Sampling the impulse response of an equivalent analog filter
- b. Taking backward difference for the derivative
- **c.** Mapping from s-domain to z-domain
- d. Approximation of derivatives

Answer

Explanation

Related Ques

ANSWER: Sampling the impulse response of an equivalent analog filter

Explanation:

No explanation is available for this question!

26) The transformation technique in which there is one to one mapping from s-dc

- a. Approximation of derivatives
- b. Impulse invariance method
- c. Bilinear transformation method
- d. Backward difference for the derivative

Answer

Explanation

Related Ques

ANSWER: Bilinear transformation method

Explanation:

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

+) compression or migher frequencies

- a. 1, 3 and 4 are correct
- b. 2 and 4 are correct
- c. 2 and 3 are correct
- d. All the four are correct

Answer Explanation

Related Ques

ANSWER: 1, 3 and 4 are correct

Explanation:

No explanation is available for this question!

- 28) The magnitude response of Butterworth filter has
- 1) Flat stop band
- 2) Flat pass band
- 3) Tapering pass band
- 4) Tapering stop band
- a. 1 and 2 are correct
- b. 2 and 4 are correct
- c. 2 and 3 are correct
- d. All the four are correct

Answer

Explanation

Related Ques

ANSWER: 1 and 2 are correct

Explanation:

- 29) In the cascaded form of realisation, the polynomials are factored into
- a. a product of 1st-order and 2nd-order polynomials
- b. a product of 2nd-order and 3rd-order polynomials
- c. a sum of 1st-order and 2nd-order polynomials
- d. a sum of 2nd-order and 3rd-order polynomials



Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

30) Parallel form of realisation is done in

- a. High speed filtering applications
- **b.** Low speed filtering applications
- c. Both a and b
- d. None of the above

Answer | Explanation | Related Ques

ANSWER: High speed filtering applications

Explanation:

No explanation is available for this question!

31) A partial-fraction expansion of the transfer function in Z⁻¹ leads to

- a. The parallel form II structure
- b. The parallel form I structure
- c. Cascaded structure
- d. None of the above

Answer | Explanation | Related Ques

ANSWER: The parallel form I structure

Explanation:

No explanation is available for this question!

32) A direct partial-fraction expansion of the transfer function in Z leads to

- a. The parallel form II structure
- **b.** The parallel form I structure
- c. Cascaded structure
- d. None of the above

Answer Explanation Related Ques

ANSWER: The parallel form II structure

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs

Engineering MCA MBA Online test Login

a. Phase

- **b.** Amplitude
- c. Frequency
- d. All of the above

Answer Explanation

Related Ques

ANSWER: Frequency

Explanation:

No explanation is available for this question!

- 34) A filter is said to be linear phase filter if the phase delay and group delay are
- a. High
- b. Moderate
- c. Low
- d. Constant

Answer Explanation

Related Ques

ANSWER: Constant

Explanation:

No explanation is available for this question!

- 35) Which among the following has/have a provision to support an adaptive filter
- a. IIR
- b. FIR
- c. Both a and b
- d. None of the above

Answer

Explanation

Related Ques

ANSWER: Both a and b

Explanation:



Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

u. NONE OF THE ADOVE Related Ques Answer Explanation ANSWER: Both a and b **Explanation:** No explanation is available for this question! 37) In direct form realization for an interpolator, which among the following gene signal? a. Upsampler **b.** Downsampler c. Anti-imaging filter d. Anti-aliasing filter Explanation Related Ques Answer **ANSWER: Upsampler Explanation:** No explanation is available for this question! 38) To change the sampling rate for better efficiency in two or multiple stages, Th interpolation factors must be unity. a. Less than b. Equal to c. Greater than d. None of the above Explanation Related Ques Answer **ANSWER: Greater than Explanation:** No explanation is available for this question!

Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

u. NONE OF THE ADOVE

Answer | Explanation | Related Ques

ANSWER: Instruction Address

Explanation:

No explanation is available for this question!

- 40) In DAGs, which register/s provide/s increment or step size for index register register move?
- a. Index Register
- b. Length & Base Register
- c. Modify Register
- d. All of the above

Answer | Explanation | Related Ques

ANSWER: Modify Register

Explanation:

No explanation is available for this question!

0% Credit Card C

Finder

Pay No Interest On Your Cred Balance For 20+ Months

OPEN

Related Content

Signals & Systems Test Questions Set - 2

Prepare

Practice







Custom Search

Interview Aptitude Reasoning English GD Placement papers HR Current affairs

Engineering MCA MBA Online test Login

vesi design a recinology Test Questions Set - 3

VLSI Design & Technology Test Questions Set - 2

VLSI Design & Technology Test Questions Set - 1

Embedded Processors Test Questions Set - 2

Embedded Processors Test Questions Set - 1

Optical Fiber Communication Test Questions Set - 3

Optical Fiber Communication Test Questions Set - 2

Optical Fiber Communication Test Questions Set - 1

Information Theory & Coding Techniques Test Set 2

Information Theory & Coding Techniques Test Set 1

Integrated Circuits Test Questions Set 2

Integrated Circuits Test Questions Set 1

Telecommunication & Switching Systems Test Set 2

Telecommunication & Switching Systems Test Set 1

Mobile Communication Test Questions Set 4

Mobile Communication Test Questions Set 3

Mobile Communication Test Questions Set 2

Mobile Communication Test Questions Set 1

Microcontrollers & Applications Test Questions Set



Prepare

Practice



Interview Aptitude Reasoning English GD Placement papers HR Current affairs Engineering MCA MBA Online test Login

Home About us Contact us Terms of use Ask Us Follow us on Facebook!

© Copyright 2016. All Rights Reserved.