At what value of beta does the Kaiser window reduce to a rectangular window?

1> 45

2> 90

3> 0

4> 180

The Kaiser window is also called as

1> the Kaiser-Bessel window

2> the Kaiser-Hann window

3> the Kaiser-Spline window

4> the Kaiser-Taylor window

What kind of phase response do FIR filters exhibit when their coefficients are symmetric

1> Quadratic phase response

2> Constant phase response

3> Linear phase response

4> Piecewise Linear phase response

Which of the following statements is true?

1> FIR filters are inherently stable

2> FIR filters are stable if all the zeros lie within the unit circle

3> FIR filters are unstable only when its zeros are existent in complex conjugate pairs

4> FIR filters are causal filters with their stability dependent on the location of zeros

Compare the number of computations carried out in an IIR and a FIR filter for similar transition width

1> IIR requires more number of computations as compared to the FIR filter

2> FIR requires more number of computations as compared to the IIR filter

3> Both FIR and IIR filters require the same amount of computations

4> IIR is always stable and accurate with least number of computations but FIR requires more number of computations