FUNDAMENTALS OF DIGITAL SIGNAL PROCESSING

QUESTION BANK

UINITE

PARTA

- 1. What is Digital Signal Processing?
- 2. Distinguish between energy and power signal.
- 3. How can we prevent aliasing?
- 4. Classify the signals?
- 5. What is a multi channel signal?
- State analog signal.
- 7. What are even and odd signals?
- 8. What are the types of systems?
- 9. What are deterministic and random signals?
- 10. What are the operations performed on a signal?
- 11. What are elementary signals and name them?
- 12. What are the properties of a system?
- 13. What is memory system and memory less system?
- 14. Find whether the given system is static or dynamic. $y(n) = n x(n) + 5x^3$
- 15. Determine z transform and ROC of the signal {1,2,3,4}
- 16. List the mathematical operations performed on discrete time signals.
- Find whether the given system is linear or not. Y(n)=n x(n)
- 18. What is meant by ROC?
- 19. Define z transform.
- List the various methods of classifying discrete time system.
- Determine z transform and ROC of the signal {5,6,7,8}
- 22. What are the various methods of representing discrete time signal?
- 23. How will you classify the discrete time signal?
- 24. List out some important properties of ROC.
- Determine the convolution sum of two sequences x(n)={3,2,1,2} and h(n)={1,2,1,2}.

Digital Signal Processing Question Bank With Answers

American Statistical Association

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Introduction to Digital Signal Processing Robert Meddins, 2000-09-05 Introduction to Digital Signal Processing covers the basic theory and practice of digital signal processing DSP at an introductory level As with all volumes in the Essential Electronics Series this book retains the unique formula of minimal mathematics and straightforward explanations The author has included examples throughout of the standard software design package MATLAB and screen dumps are used widely throughout to illustrate the text Ideal for students on degree and diploma level courses in electric and electronic engineering Introduction to Digital Signal Processing contains numerous worked examples throughout as well as further problems with solutions to enable students to work both independently and in conjunction with their course Assumes only minimum knowledge of mathematics and electronics Concise and written in a straightforward and accessible style Packed with worked Digital Signal Processing N. B. Jones, J. D. McK. Watson, 1990 This examples exercises and self assesment questions volume presents the fundamentals of data signal processing ranging from data conversion to z transforms and spectral analysis In addition to presenting basic theory and describing the devices the material is complemented by real examples in specific case studies Digital Signal Processing: Theory And Practice Duraisamy Sundararajan, 2003-01-03 This concise and clear text is intended for a senior undergraduate and graduate level one semester course on digital signal processing Emphasis on the use of the discrete Fourier transform the heart of practical digital signal processing and comprehensive

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