



2	State 'differentiation' and 'time convolution' properties for given transform (Discrete Time Fourier Transform (DTFT) <b>or</b> Z-transform). Prove any one of two properties.	<b>07</b>
<b>Q-6</b>	<b>Attempt all questions</b>	<b>(14)</b>
1	Compare FIR and IIR filters.	<b>06</b>
2	Explain the Decimation in Time FFT algorithm with example.	<b>08</b>
<b>Q-7</b>	<b>Attempt all questions</b>	<b>(14)</b>
1	State the properties of FFT explain any two in brief.	<b>08</b>
2	Compare energy signal and power signal.	<b>03</b>
3	Briefly explain effect of coefficient quantization in filters.	<b>03</b>
<b>Q-8</b>	<b>Attempt all questions</b>	<b>(14)</b>
1	Explain Z- transform and its property.	<b>07</b>
2	Give the classification of system.	<b>07</b>

