

REVISED KEY

**Deputy Executive Information Engineers in A.P. Information Service-
Notification No: 29/2018 (General Recruitment)**

6. A two terminal black box contains an element which can be R, L, C and M. As soon as the black box is connected to a DC voltage source, a finite non zero current is observed to flow through the element. The element is_____.

An Inductor

56. In 555 timer as table mode operation, the fundamental frequency of the output waveform is_____.

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60. The switching regulator has_____efficiency

Very high

91. In control systems, when maximum value is subtracted from step value and result is divided by step value, result is called as

Percentage Overshoot

99. A method of selecting one or two parameters using the root locus method is called as_____.

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110. A zero mean white noise is passed through an ideal low pass filter of bandwidth 10kHz. The output is the uniformly sampled with sampling period $t_s = 0.03\text{m/sample}$. The samples so obtained would be_____.

Correlated

119. If transmission bandwidth is doubled in FM, SNR is_____.

Increased four times