

**DIGITAL SIGNAL PROCESSING
KEYS**

I Choose the correct alternative:

1. A
2. B
3. D
4. A
5. D
6. C
7. D
8. B
9. A
10. A

II Fill in the blanks

11. Saturation or Overflow methods.
12. Large dynamic range or Overflow .
13. $H(Z) = \frac{\sum_{k=0}^M b_k z^{-k}}{1 + \sum_{k=1}^N a_k z^{-k}}$.
14. $\frac{2^{2b}}{N^2}$.
15. $W_R(n) = 1 \quad \frac{-(N-1)}{2} \leq n \leq \frac{(N-1)}{2}$
 $= 0$ otherwise.
16. Twice.
17. Present input, Past input samples.
18. 1 rad/sec.
19. Spectral Lines
20. Spectral Components.