

**CHEMICAL ENGINEERING MATHEMATICS
KEYS****I Choose the correct alternative:**

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

II Fill in the blanks

11. $y_n = 3\rho^n / (\rho+5)$
12. $[(Y_{N+1} - Y_1)/(Y_{N+1} - Y_0)] = [(A^{N+1} - A)/(A^{N+1} - 1)]$
13. 1.27ft^3
14. Linear
15. Order
16. $SD = \text{sqrt}(\sigma)$
17. $\text{Sqrt}(\text{variance})$
18. Standard deviation
19. Linear differential equation
20. Complementary solution