

**NUMERICAL METHODS
KEYS****I Choose the correct alternative:**

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

II Fill in the blanks

11. $\lim_{\Delta x \rightarrow 0} \frac{f(x+\Delta x) - f(x)}{\Delta x}$
12. First order
13. $\frac{dy}{dx} = f(x, y), y(0) = y_0$
14. $\frac{3h}{8} [f(x_0) + 3f(x_1) + 3f(x_2) + f(x_3)]$
15. Elliptical
16. 0.693
17. Self starting
18. Parabolic
19. Constant
20. Initial value