

**MATHEMATICAL METHODS  
KEYS****I Choose the correct alternative**

1. c
2. a
3. c
4. b
5. a
6. a
7. c
8. d
9. c
10. a

**II Fill in the blanks**

11.  $2y$
12.  $z = 2\sqrt{ax} + \frac{ay^2}{2} + b$
13.  $z = ax + \frac{x^3}{3} + ay - \frac{y^3}{3} + b$
14.  $\frac{y}{z} = c$
15.  $\phi(x - z, 2y - z^2) = 0$
16.  $2e^{x-y}$
17.  $\bar{0}$
18.  $xy^2 + yz^2$
19.  $\frac{5}{6}$
20.  $\frac{1}{2}$