

## 2.7 ANSWER KEY

### (Objective Ex. 2.1)

| Que. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|---|---|---|---|---|---|---|---|---|----|
| Ans. | B | B | B | B | C | A | A | B | D | A  |

### (Subjective Ex. 2.2)

2.  $-3, -3$       3.  $k\{x^2 - 25\}$       4.  $k\{x^2 - 2x + \sqrt{5}\}$
5.  $k\{x^2 - 6x + 4\}$       7.  $8y^2 + 20y + 50$       8.  $-1$
9. Quotient =  $x^2 + x - 3$ , Remainder = 8      10.  $x^2 - x + 1$       11.  $c = -48$
12.  $\sqrt{\frac{5}{3}}, -\sqrt{\frac{5}{3}}, -1$  and  $-1$       13.  $2x + 5$       14.  $2x - 3$
15.  $k = \frac{2}{3}, -1$       16.  $k\{x^2 - 8x + 12\}$  and zeros are 6 & 2.
17. Yes      18. No. of zeros = 3      19.  $a = -\frac{3}{2}$