

## 1.6 ANSWER KEY

### (Objective 1.1)

| Qus. | 1 | 2 | 3 | 4 | 5 | 6 |
|------|---|---|---|---|---|---|
| Ans. | A | B | C | B | D | C |

### (Subjective 1.1)

- Non-terminating and repeating
  - Non-terminating and non-repeating
  - Non-terminating and repeating
  - Terminating
- $\frac{-7}{6}, \frac{-4}{3}, \frac{-3}{2}, \frac{-5}{3}, \frac{-11}{6}$
- 4, -3, -2, -1
- $\frac{-5}{24}$
- $\frac{22}{7}, \frac{23}{7}, \frac{24}{7}, \frac{25}{7}, \frac{26}{7}, \frac{27}{7}$
- $\frac{9}{24}, \frac{10}{24}, \frac{11}{24}$
- $\frac{-5}{14}, \frac{-4}{14}, \frac{-3}{14}$

### (Objective 1.2)

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

### (Subjective 1.2)

- 0.110101001000100001
- irrational
  - irrational
  - rational
  - irrational
- $36A^4B^6C^3\sqrt[6]{108}$
- $\frac{1}{3}$
  - $\frac{37}{99}$
  - $\frac{6}{11}$
  - $\frac{5}{99}$
  - $\frac{4}{3}$
  - $\frac{4}{3}$
  - $\frac{23}{37}$
- $\frac{19}{30}$