

Multiple Choice Questions (Click the correct answer)

10. Consider the languages

$$L_1 = \{ ww^R / w \in \{0, 1\}^* \}$$

$$L_2 = \{ wcw^R / w \in \{0, 1\}^* \}$$

$$L_3 = \{ ww / w \in \{0, 1\}^* \}$$

Which one of the following is TRUE?

- (a) L_1 is deterministic CFL
- (b) L_2 is deterministic CFL
- (c) L_3 is a CFL but not a deterministic CFL
- (d) L_3 is deterministic CFL