GATE QUESITON

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1. The output expression for the Karnaugh map shown below is   (GATE-EE2019,35)

$$PQ$$

		00	01	11	10
	00	0	1	1	0
	01	1	1	1	1
RS	11	1	1	1	1
	10	0	0	0	0

Figure 1: K-MAP

(a) $Q\overline{R} + S$

(b) $Q\overline{R} + \overline{S}$

(c) $QR + S$

(d) $QR + \overline{S}$