**Scenario: Controlling Circuits Using Logic**

1. A, $X+ \overbar{Y}\overbar{Z}$

|  |  |  |  |
| --- | --- | --- | --- |
| 1. A.
 | A | B |  |
|  | 0 | 0 | 0 |
|  | 0 | 1 | 0 |
|  | 1 | 0 | 1 |
|  | 1 | 1 | 1 |

1. C. $\overbar{A}∙B$

29.

|  |  |  |  |
| --- | --- | --- | --- |
| E.  | A | B |  |
|  | 0 | 0 | 0 |
|  | 0 | 1 | 0 |
|  | 1 | 0 | 1 |
|  | 1 | 1 | 0 |

1. B. $\overbar{A}+ \overbar{B}\overbar{C}$
2. D. $P=\overbar{G} E=El+G A=E$

32. C. W = H + (T∙S) + (E ∙ω)

33.

|  |  |  |  |
| --- | --- | --- | --- |
| E. | L | W | TW |
|  | 0 | 0 | 0 |
|  | 0 | 1 | 0 |
|  | 1 | 0 | 0 |
|  | 1 | 1 | 1 |