Subquestion 1 :

|  |  |  |
| --- | --- | --- |
| Question | Answer | Explain |
| A | d) (1–p)2 | Vì mạch mắc nối tiếp, theo công thức ta có A = (1–p)2, trong đó chỉ có A,B mắc nối tiếp |
| B | c) (1–p2) | Vì mạch mắc song song, theo công thức ta có A = (1–p2), trong đó C,D mắc song song |
| C | f) {1–(1–p2)2} | Ta có : E,F lần lượt nối tiếp cùng mắc song song với G,H nối tiếp. |
| D | j) (1–p2) {1–(1–p)2}2 | Vẽ lại mạch thì ta có I,K,L cùng mắc song song và nối tiếp với J,M |
| E | f) {1–(1–p2)2} | Khi K failure thì mạch trở lại giống hình 3. |
| F | b) (1–p) |  |
| G | a) p |  |
| H | e) (1–p2)2 |  |

Subquestion 2 :

Answer: a) Reduce the failure rate of units E and F by half.