| 7711 | ARYAN RAO LAB SECTION:11_/_/ 10:264954748 |
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| -3 | HOMEWORK 2 |
| P1. | A. IMAGE 'A' BEST DESCRIBES YZ + XZ |
| (2) | X X |
| 3 | 2_ |
| | B. (YZ+ YZ). X |
| • | C. X + YZ |
| 3 | . D, XY + 2Y |
| P2. | A. (A+B). (C+B) = # |
|)) | B. (A+B).(C+B) |
| | Using Distributive property (x+y). (x+z) = x+y.z |
| | =) B+AC |
| | |
| | |
| • | |

| 3 | |
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| | _/_/ |
| PU | 1. h. f = xz + wy + xx |
| • | = (\overline{\pi}+\overline{\pi}) \overline{\pi} |
| - | $= (\overline{x} + \overline{z})(w + \overline{y}) \times \overline{z}$ |
| 3 | = (w+y) xz + (w+y) xz |
| 3 | = 0+ (w1 g) NZ |
| • | = (w1 y)(xz) |
| 9 | |
| • | = x2w + 292 |
| | |
| D | B. f = (a+6)(ab + c)(a+bc) |
|) | = a+6 + ab + c + a+60 |
| 2 | = a.b. + ab. c + a+bc |
| | = a.b + a.b.z + a+bc = a.b + a.b.z + a+b+c |
| • | 3 1 317 1 1 3 |
| • | = |
| • | = 0+5+6 |
| • | |
| | |
| • | THE ASSESSMENT TO STATE OF THE PARTY OF THE |
| 9) | |
| 1) | |
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| P5/ | A. x, x, x, + x, x, x, + x, x, x, x, |
| | B. X, X2 X3 + X, X2 X3 + X1 X2 X3 + X1 X2 X3 |
| P6. | A. (x, + x2 + x3)(x, + x2 + x3)(x, + x2 + x3) |
| | B. (x,+x2+x3)(x,+x2+x3)(x,+x2+x3)(x,+x2+x3) |
| | |
| P7. | A. B+ BCD + BCD + (AB+ AB) + BC |
| | 0 B+ BCD + BCD + B+ BC |
| | (Combining Property) |
| | DB+BCD+BCD+BC |
| | (B+B=B) |
| | 3 B + CD(B+B) + BC |
| | 5 B + BC + CD (B+B=10) 5 B + C + CD (B+C++++ 10) |
| | => B + C + CD (Absorption Law) [AB+A=B+A] |
| | Lusayian Com) [HT HB = H] |
| | B. BE (C+AE) + (A+E) (AB+AG) |
| | 2) BE (C+A) + (A+E) (AB+ AC) (Alsouption (am) |
| | (mithitist) (SA+AA)(S+A) + ASB + DSB (E |
| | OF BEAT (STA) (STA) (STA) + ASS |
| | P+0=P |
| | 3 BEA+ (A+ E) (AB+ AC) [Complement Low, AF=0 P+0=A] =) BEA+ AAB+ AAC+ E(BA+AC) (Distarbution) |
| | D BEAT FBIACT E (FR+AC) (Idempotent lan |
| | 5) B(CA+R) + AC+ (AB+RC) [|
| | [Ristantine Law, |
| | AB+AC=AB1C |



