Expt. No. consider left ande. Play wind Temp humidity Day weak No Hat high NO strong Hot high weak NO high meld Yes weak cool nomal 400 sliving mild nomal Du Attribut long value (Temp) = Hold, mild, cool Suny = [2+, 3-] Entropy (Sourry) = -2 log 2 = - 3 log 2 = 0.97 Shot < [0+, 2-] Entropy (Shot) = 0.0 Sound = [1+,1-] Entropy (Smild) = 1-0 Entropy (Scool) = 0-0 Score + [1+,0-] gais (Surry, Temp) = Entropy (S) - E [5]

V6 (Hot, Mild, cool) = Entropy (s) - = Entropy (SHOO) - = Entropy (Smile) - [Entropy Scool) Teacher's Signature:

Attribute - Hunidely (high, noinal) Secrety = [2+, 3-] = -2 log2 = 3 log2 = 0-92 Shigh & [o+, 3-] Ertropy (Shigh) = 0.0 Snownal + [2+, 0-] Entropy (Snamel) = 0.0 gais (Suny, hunidity) = Entiopy (s) - 3 Entropy (Shegh) - 2 Entropy (Snown) gais (Ssurry, hundry) = 047 - 3 x0-0 - 2x0.0

Expt. No. Attribute - wish Value (wind) = strong, weak Surry o[2+3-]

Entropy(s)= = 2 log 2 = -3 log 2 = -0.97 Setrong [1+,1-] Entropy (Sstrong) = 1.0 Sweak (1+,2-)

Entropy (Sweak) = - 1 log 2 1 - 2 log 2 \frac{2}{3} Gais (Sourry, weid) = Extropy(S) - & [S] Enterry(SV) Gaes (Sourry, weid) = Entropy (s) - = Entropy (Sotrong) -3 Entropy (Swak)

gair (Souny, Wend) -3×0-918 = 0.0192 & Gais (Soung, Temp) = 0.570 Gais (Sourry, Hunditz) = 0.92 gair (Suny, wend) = 0-0192 Jouldook (04, 05, 04, 000, 014) hundy neinal { D1, D2, P83

Page No. play tono hund dily wind Temp Day weak high Yes MILA weak nounal Yes cool normal etreng No coch nounal veal Yes rild high strong les 019 Mild Attributo : Temp Value (Temp) = Hot, wild, cool Shot = [3+, 2-] Entropy (Sourcy) = -3/2 log2 = -2/2 log2 = -0-97

Shot = [0+,0-] Entropy (Shot) = 0-0

Smith = [2+,1-] Entropy (Smith) = -2/2 log2 = -1/3 log2 = 3 gan (Spain, Temp) = Entropy (S) - Entropy (Sv) gair (Skais, Temp) = Entropy (S) - O Entropy (SHOO) - 3 Entropy (Smild) -2 Entropy (Scool) Gais (Skais, Temp) = 0.97 - 0x0-0 - 3 x0-910 - 2x10 = 0.0192 Teacher's Signature:

Attribute - hundity ralues (hundety) = high, round Entropy (Sourry) = -3/1092 3 - 2/5/2092 2 2009 Srain = [3+2-] Entropy (Shigis) = 100 Shigh - [1+,1-] Enlipsy (Sneunel) = -2 log2 3 - 1 log 23 Sroundl + [2+, 1-] gais (SRain, hunidity) = Entropy (8) - 2 Entropy (Sheges) -3 Entropy (Snownas) geis (Skais, hundy) = 0.97 - = ×1.0 - 3 ×0.918 = 0.0192 Attribute - weed values (ur'nd) = Strong, weak Entropy (Sourry) = -3 log2 3 - 2 log2 3 Skaen = [3t, 2-] Sstrong = [0+,2-] Entury (Sotrong) = 0.0 Sweak & [8 t,0 -] Entropy (Sweak) = 0-0

Page No. Date Expt. No. Gais (Skain, wind) = Enlipy (s) - 2 Entropy (Strong) = 3 Entropy Gair (BS Rais, wend) = 0.97 - 20-0 - 30.0 gais (SRais, Temp) = 0.0192 (Spain, humidity) = 0.0192 gain (SRaci, mena)=0-97 outlook