

# SET H

TRANSACTION	ITEMS
T1	F, C, B, E
T2	B, E, C, G
T3	A, G, B, E, D
T4	G, A, B, E
T5	D, B, A, F, E, G
T6	F, B, C, D, G
T7	G, F, B, E
T8	G, F, B, D, E, C
T9	E, C, D, F, G
T10	B, C, D, E, F, A, G
T11	D, G, C, B, E, F
T12	D, A, F, E
T13	E, C, B, F, G, A, D
T14	B, F, D, E, A
T15	G, C, E, B, F, A, D

Answer the following, write the correct answer on your paper:

For uniformity, all initial calculations and final answers should be in two decimal places, not rounded.

1. What is the support for itemset {F, B, A}
2. What is the support for itemset {C, E, F}
3. What is the lift for itemset {B, C}  $\rightarrow$  E
4. What is the lift for itemset (F, G, D)  $\rightarrow$  B
5. What is the confidence for itemset {F, B, D}  $\rightarrow$  E
6. to 10. Given the transactions above construct the final FP-Tree with counters. If there is a tie in frequencies, alphabetical order will prevail.