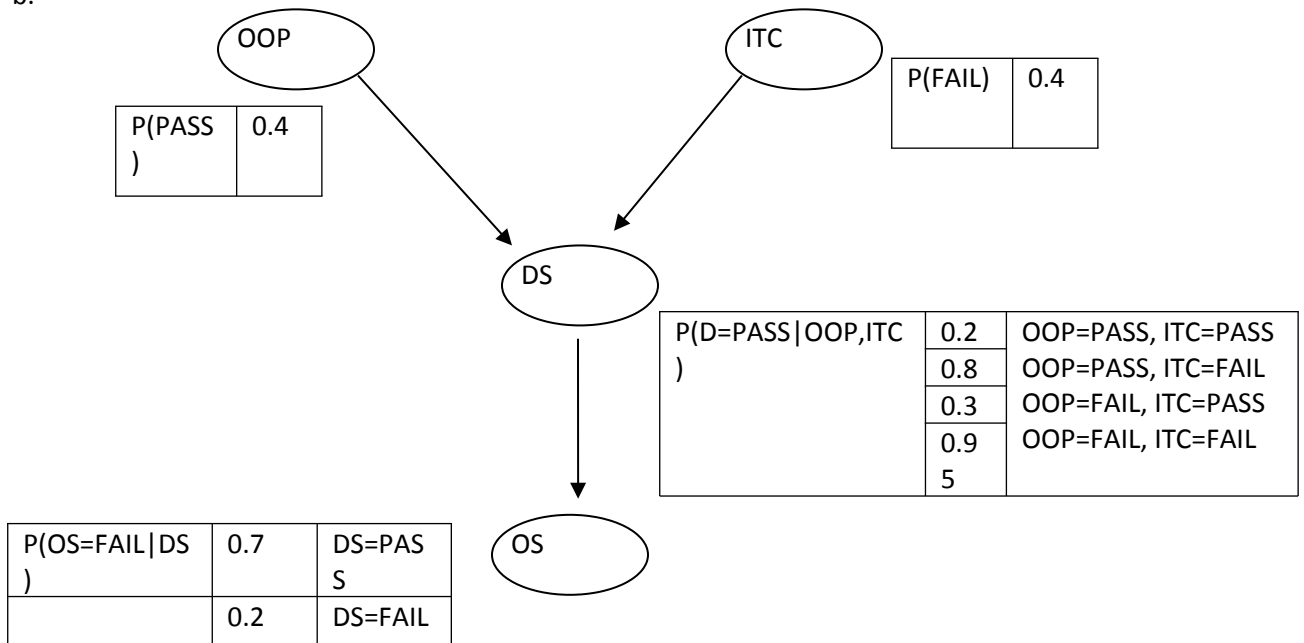


## Bayesian Network

Question 1)

- a. Draw the Bayesian Network that corresponds to this conditional probability:  $P(A \mid B, C, E)$   $P(B \mid D, E)$   $P(C \mid F, H)$   $P(D \mid G)$   $P(E \mid G, H)$   $P(F \mid H)$   $P(G)$   $P(H)$

b.



Calculate  $P(OS=PASS \mid ITC=PASS)$  using the network given above.