

COS 402: Artificial Intelligence

Sample Exam — Answers

Fall 2012

- A1. $1, 2, 4, 8, 16, \dots \rightarrow 1, 2, 3, 4, \dots$
 - A2. admissible \rightarrow consistent
 - A3. α equals $\beta \rightarrow \alpha$ entails β
 $\alpha \equiv \beta \rightarrow \alpha \models \beta$
 - A4. complete \rightarrow sound
 - A5. Markov chain \rightarrow naive Bayes
 - A6. Markov's rule \rightarrow Bayes' rule
 - A7. signs \rightarrow phones
 - A8. quadratic \rightarrow linear
 - A9. Markov conditions \rightarrow Bellman equations
 - A10. larger \rightarrow smaller
 - A11. CORRECT
 - A12. statistical \rightarrow computational
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- B1. a, b, f.
 - B2. b, c.
 - B3. f.
 - B4. a, d.
 - B5. a, c.
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C1. B, N, N, B.

C2. B, B, S, S, N.

C3. H, M, B, M, H.

C4. L (or B), D, S, B, L, T, K, K, T.