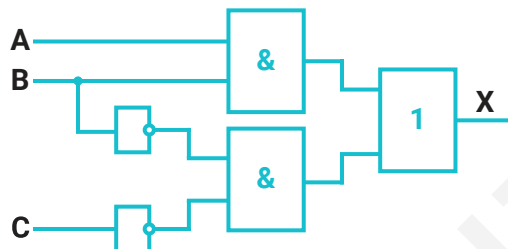




1. Quyidagi mantiqiy ifodalarga mos sxemalarni chizing.

- a) $D \vee \neg B \& A \& (B \vee \neg A)$;
- b) $A \& B \vee (\neg C)$;
- d) $A \vee B \& (\neg C \vee E)$;
- e) $A \vee \neg B \& C$;
- f) $\neg (A \& C) \vee \neg B$;
- g) $\neg A \& (\neg B \vee C)$;

2. Quyidagi sxemaga mos mantiqiy ifodani yozing:



7-DARS. AMALIY MASHG'ULOT



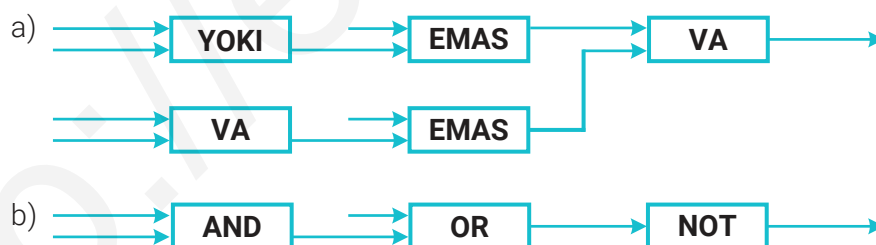
1. Keltirilgan gaplarning qaysilari mulohaza bo'la oladi?

- a) Eng yengil metall litiy hisoblanadi;
- b) Afrika Yevrosiyodan keyin ikkinchi yirik qit'adir;
- d) O'zbekiston Respublikasining birinchi Prezidenti Islom Karimov 1938-yil 30-yanvar kuni Samarqand shahrida tug'ilgan;
- e) Yozda ko'pincha qor yog'adi;
- f) $5 \cdot 2 < 14,6 + 3$;
- g) Rastrli grafika – informatikaning eng qiziqarli mavzularidan biri;
- h) Maktabga ketayotib, eshiklarni qulflang.

2. Mantiqiy ifodalarning rostlik jadvali va sxemasini tuzing:

- a) $A \& (B \Rightarrow \neg C)$;
- b) $B \& \neg (C \vee \neg B \Rightarrow A)$;
- d) $(A \vee C) \Rightarrow (\neg B \vee A \& D)$;
- e) $B \Leftrightarrow (\neg C \vee D) \& A$;
- f) $(A \Rightarrow \neg D) \& (C \vee \neg B)$;
- g) $(A \vee C) \Leftrightarrow (\neg B \vee A \vee D)$;
- h) $\neg (A \Rightarrow B \vee C) \& (D \Rightarrow \neg B)$;
- i) $\neg (A \& B \Rightarrow C) \vee (B \Rightarrow C \vee \neg A)$.

3. Quyidagi sxemaning chiqishida 0 hosil bo'lishi uchun, kirishida qanday qiymatlar bo'lishi mumkin?



4. Berilgan sxemaga mos mantiqiy ifoda toping:

