## EXAM FOR "ORDERED ALGEBRAIC STRUCTURES" (USPA1) WINTER SEMESTER 2018/2019

QUESTIONS SET NO. 3

**1.** Formulate and prove the Dedekind theorem about characterization of modular lattices.

**2.** For which rings *R* the ring of  $2 \times 2$  matrices with coefficients in *R* is a Boolean ring?