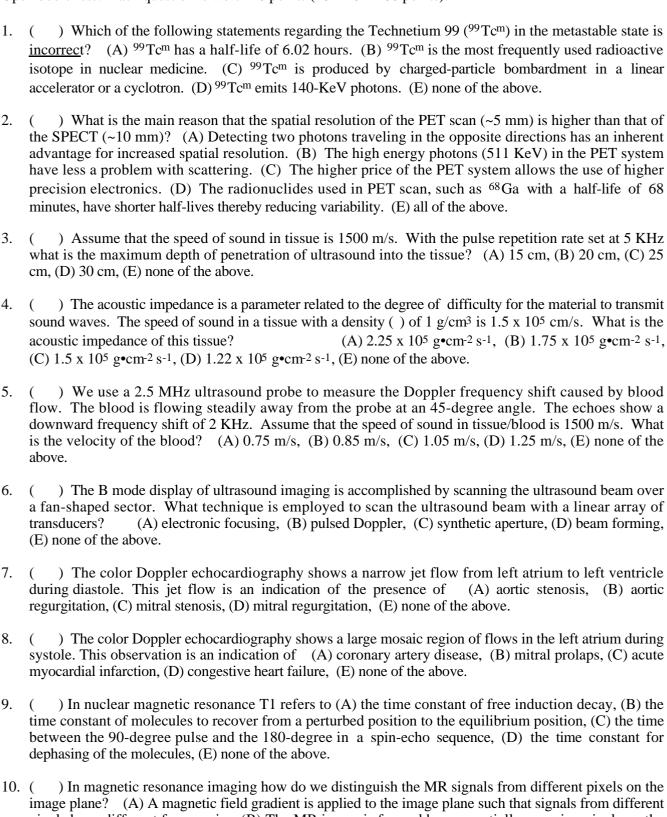
ELE 588 Biomedical Engineering I Exam #2 Sample Name:

Open book/note. Each question is worth 10 points ($10 \times 10 = 100 \text{ points}$).



10. () In magnetic resonance imaging how do we distinguish the MR signals from different pixels on the image plane? (A) A magnetic field gradient is applied to the image plane such that signals from different pixels have different frequencies. (B) The MR image is formed by sequentially scanning pixels on the image plane. (C) The MR image is reconstructed by use of either the convolution backprojection method or an algebraic reconstruction technique. (D) Each pixel position on the image plane has a unique combination of the T1 and T2 time constants. (E) none of the above.