

※ 考生請注意：本試題不可使用計算機。請於答案卷(卡)作答，於本試題紙上作答者，不予計分。

1. (20%) Describe the material property of the bone. Use an appropriate constitutive equation to describe it.
2. (20%) Describe the muscle force-length relationship and force-velocity relationship.
3. (20%) The hip joint is composed of the head of the femur and the acetabulum of the pelvis. Describe its structure and composition using Wolff's law.
4. (20%) Describe the shape and biomechanical characteristics of human red blood.
5. (20%) Describe the myocardial material properties in the heart.