

一. (a) 何謂人工臟器，目前有效地使用於臨床上的有那些，請詳列舉說明。

(b) 人工心臟的研究應朝那方向去突破。

二. 詳述生物流體力學之研究發展近況。

三. 請詳述雷射在臨床上的應用。

四. (a) Describe the most standard manual technique for indirectly measuring the blood pressure, and its possible sources of errors.

(b) According to your knowledge of engineering, describe your design for automating the above process with the block diagram.

五. Describe the clinically available imaging modalities, and their image information.