

Pre-Course Workbook Answer Sheet.

Activity No.	Answer
1	$DO_2 = 1.39 \times CO \times Hb \times SpO_2$
2	VO ₂ : 200-250ml/min VO ₂ I: 120-160ml/min/m ²
3	DO ₂ : 950 – 1150ml/min DO ₂ I: 500-600ml/min/m ²
4	DO ₂ I: 600ml/min/m ² CI: 4.5ml/min/m ² VO ₂ I: 170ml/min/m ²
5	BP = Flow x Resistance
6	CO: 4-8l/min CI: 2.5-4l/min/m ²
7	Height & Weight (to calculate BSA)
8	Chronotropic Effects: will effect the rate at which the heart beats Inotropic Effects: will effect the force with which the heart beats
9	The greater the EDV, the greater the stretch on the cardiac muscle fibres, the greater the force of contraction, the greater the SV
10	Inotropes: those acting upon alpha receptors will regulate vascular tone while those acting upon beta 1 receptors in the myocardium, will have a positive inotropic effect
11	BP: ↓ CO: ↑ initially during hyperdynamic phase SVR: ↓ HR: ↑ DO ₂ : may be ↑ initially due to increased CO
12	BP: ↓ CO: ↓ SVR: ↑ HR: ↑ DO ₂ : ↓