Year 10 GCSE Revision - Physical Education Paper 1 - Fitness and Body Systems

Paper 1 – Fitness and Body Systems			
Functions of the Skeleton for Sport	The five components of fitness		
Classification of bones	Cardiovascular fitness		
The Structure of the skeletal System (including vertebral column)	Muscular Strength		
Joints	Muscular Endurance		
Joints and Movement	Flexibility		
Ligaments and Tendons	Body Composition (including BMI)		
Muscles Types	Body composition (merading biving	1	
Location and role of the main voluntary muscles	Agility		
Antagonistic Pairs	Balance		
Fast and Slow Twitch muscle fibres	Co-ordination		
Important functions of the cardiovascular system	Power		
mportant randons of the data of account system	Reaction time		
The Heart	Speed		
The structure of the heart			
Blood Pressure	Fitness tests		
The Structure of Blood Vessels	Cooper 12-minute run test		
Blood Distribution	Harvard Step test		
Vascular Shunting	Hand Grip Strength Test		
Vasoconstriction	One Minute Press Up Test		
Vasodilation	One Minute Sit Up test		
Red & White blood cells, platelets and plasma	30m Sprint		
The Respiratory System	Vertical Jump/Sargent Jump Test		
Inhaled and exhaled air	Sit & Reach		
Vital Capacity and Tidal Volume			
Main Components of respiratory system			
Structure of alveoli			
Gas exchange			
Oxygen debt			
Energy	The principles of training		
Aerobic respiration	Individual needs		
Anaerobic respiration	Specificity		
Lactic Acid	Progressive overload		
Energy Sources	FITT		
Fats	Overtraining		
Carbohydrates (Complex & Simple)	Reversibility	•	
Free Sugars	Thresholds of training		
Effects of exercise on the muscles (Fatigue & Cramp)	Long term effects of aerobic and a		
Effects of exercise on the heart	Effects and benefits for the musculo-skeletal system		
Heart Rate	Effects and benefits for the cardio	o-respiratory system	
How heart rate varies			
Maximum heart rate	BABO	1	
Stroke volume	PARQ	Injuries that occur in physical	
Cardiac Output	Preventing Injuries	activity and sport	
Effects on you breathing	Warm up & Cool Down	Concussion	
Interpreting graphs	Protective Equipment and	Fractures	
	Clothing	Dislocations	
	Checking Equipment and	Sprains	
	Facilities	Torn Cartilage	
	Playing to the rules of	Sort Tissue Injury	
	competition		
Planes	Performance Enhancing Drugs	1	
	Anabolic Steroids		
Sagittal Planes Frontal Planes	Beta Blockers		
Transverse Planes	Diuretics		
Axes	Narcotics and Analgesics		
Frontal axis			
Vertical axis	Peptide Hormones, including EPO Growth Hormones		
Sagittal axis	Stimulants		
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