Key Word	Definition/Explanation
A1: Components of	
Fitness:	
Aerobic	The ability to exercise continuously for extended periods without tiring
Endurance	
Muscular	Muscular endurance is the ability of a muscle or group of muscles to sustain
Endurance	repeated contractions against a resistance for an extended period of time
	without tiring
Flexibility	Is the range of motion/movement around a joint
Speed	The differential rate at which an individual is able to perform a movement
	or cover a distance in a period of time or how quickly an individual can
Character	move
Strength	The amount of force a muscle can exert against a resistance
Power	The ability to use strength at speed. This helps athletes to jump high, throw
	far or sprint quickly.
Body composition	The percentage of body weight which is fat, muscle or bone.
A2: Fitness Tests:	
Cooper 12-Minute	Maximal running test of aerobic fitness, in which participants try and cover
Run	as much distance as they can in 12 minutes
Sit-Up Test	Measures muscular endurance of the abdominals and hip-flexor muscles.
	How many sit-ups can you do in 1 minute
Grip Dynamometer	Measurement of hand and forearm muscular strength.
Test	
Sit and Reach Test	A test to measure flexibility (Lower back and hamstring flexibility)
Sergeant Jump	A test to measure power (in the legs) – It is a standing jump as high as you
Test/Vertical Jump	can go
Test	
30 Meter Sprint	A test to measure speed – How fast you can run 30 meters in.
Test	
A2: Methods of	
Training Continuous	Any type of physical training that involves activity without rest
Training	Any type of physical training that involves activity without rest intervals. Continuous training can be performed at low, moderate, or high
Hannig	exercise intensities – Should last at least 30 minute
Fartlek	Periods of fast running intermixed with periods of slower running
Training	r chous of fast furning intermixed with periods of slower furning
Interval	Physical training consisting of alternating periods of high- and low-intensity
Training	activity.
Circuit	A type of sports training that involves sets of different exercises done in
Training	order one after the other
Core Stability	Training to improve the capacity of the muscles of the torso to assist in the
Training	maintenance of good posture, balance, etc., especially during movement.
Free	A weight, such as a barbell or dumbbell, that is not attached to another
Weights	structural device and is raised and lowered by use of the hands, arms or legs
Resistance	Resistance training is any exercise that causes the muscles to contract
Training	against an external resistance with the expectation of increases in strength,
	tone, mass, and/or endurance

Static Stretching	Where you hold a stretch for an extended period of time.
	Dynamic stratching is a form of active measurement that is it shout had the
Dynamic	Dynamic stretching is a form of active movement that isn't about holding
Stretching	a stretch but rather taking your body through ranges of motion that will
	better prepare you for your workout or sporting activity.
Proprioceptive	A method of stretching muscles to maximize their flexibility that is often
Neuromuscular	performed with a partner or trainer and that involves a series of
Facilitation (PNF)	contractions and relaxations with enforced stretching during the relaxation
	phase
Plyometrics	A form of exercise that involves rapid and repeated stretching and
riyumetrits	contracting of the muscles, designed to increase strength.
СирасГі	
CrossFit	A high-intensity fitness programme incorporating elements from several sports and types of exercise.
Anaerobic Hill	Anaerobic strength-training exercise designed to improve muscle strength
Sprints	and efficiency and reduce the risk of injury
Sprint Training	Sprint training is an exercise regimen that burns fat, builds muscle, and boosts BMR (Basal Metabolic Rate) – It is a series of sprints
A3 – The FITT	
Principles and	
Principles of	
Training	
Frequency	How many times participants will train in relation to their current fitness
requercy	levels and considering progression/overload
Intensity	Appropriate measurement scale to determine how hard participants works
	during each activity – intensity measurement; rate of perceived exertion
	(RPE), Percentage of Maximum Heart Rate (Maximum Heart Rate = 220 -
	age);
Time	Appropriate length for the session that encourages progressive overload
	and which is relative to the type of training
Туре	Component of fitness or method of training participants choose to work on
, ypc	
Specificity	Choosing a training method that develops a specific component of fitness
	which benefits participation in sport or activity
Progressive	Increasing participant workload over a period of time to encourage fitness
Overload	improvement for their sport or activity
Overtraining	Being aware of the risk of injury due to fatigue caused by increasing training
	workload too quickly
Reversibility	Participants not being able to train and therefore decreasing in fitness and
	having to restart the programme at an appropriate level and having time
	away from their sport or activity
Participant	Choosing a component of fitness based on fitness test data and relating the
Differences and	chosen fitness method(s) to their sport or activity
Needs	Working at the correct intensity of maximum beaut rate to superiors
Training Zone	Working at the correct intensity of maximum heart rate to experience
	fitness improvement

A4: Understanding	
Fitness	
Programmes	
Person-Centred	Personal information to aid training programme design (health-screening
Approach	questionnaire, activity likes and dislikes, availability to exercise)
Aims	Overall aim that meets participant's main fitness, sport or activity goal
Objectives	How the participant will achieve their main goal
Safe Design	An appropriate training method selection and activities to meet main fitness goal
Components of a	Warm-up
Session Plan	Main activities
	Cool down
B1 -	
Macronutrients	
Carbohydrates	Is a macronutrient that provides energy for the body – It comes in 2 forms
Simple	Fast release carbohydrates that provide energy quickly for a short period of
Carbohydrates	time
Complex	Slow release carbohydrates that provide energy slowly and over a longer
Carbohydrates	period of time
Protein	Promotes muscle growth and repairs tissue/micro-tears after sport or activity to allow further training/reduced risk of injury
Fats	A natural oily substance occurring in animal bodies
Saturated Fats	A type of fat containing a high proportion of fatty acid molecules without double bonds, considered to be less healthy in the diet than unsaturated fat
Unsaturated Fats	A type of fat containing a high proportion of fatty acid molecules with at least one double bond, considered to be healthier in the diet than saturated fat.
Calories	A measurement of energy in food and drink
B2 -	
Micronutrients	
Vitamin A	Function – maintains normal eyesight to assist hand-eye coordination and positional awareness Natural source – liver, mackerel and milk products
Vitamin B1	Function – converts food into energy to produce energy for exercise Natural source – rice, bran, pork, beef, peas, beans, soya beans
Vitamin C	Function – maintains an effective immune system to prevent illness so the performer can train on a regular basis Natural source – most fresh fruit and vegetables
Vitamin D	Function – to keep bones, teeth and muscles healthy

	Next set as a set. Calculation of the sector of the first fi
- · · ·	Natural source – oily fish, red meat, liver, egg yolks, fortified foods
Potassium	Function – regulates fluid levels to ensure the performer is hydrated during
	exercise
	Natural source – bananas, yoghurt, sunflower seeds, potatoes
Iron	Function – increases the body's oxygen-carrying capacity to enhance
	aerobic performance by delivering oxygen to working muscles
	Natural source – liver, lean meat, eggs, kidney beans, spinach
Calcium	Function – provides increased bone strength, which reduces the risk of
	injury in contact activities
	Natural source – milk and dairy products, whole grains, green vegetables.
B3 – Hydration	
Dehydration	A harmful reduction in the amount of fluid in the body
Recommended	The daily intake of water – 2 litres
Daily Intake	
B4 – Improving	
Nutrition for Sport	
Carbohydrate	The process of using carbohydrates before a competition or event to
Loading	provide lasting energy stores
Bowel Emptying	Consuming foods high in fibre (whole grains) and timing of food
1,7,0	consumption to aid digestion and empty bowel before exercise.
Legal Supplements	Legal supplements that aid an athlete in a sporting event ie vitamin B and
	vitamin D, protein supplements, pre-workout supplements, glucose-based
	isotonic drinks, caffeine drinks
C1 – The impact of	
Motivation on	
Participation in	
Sport	
Motivation	The internal mechanisms and external stimuli that arouse and direct
1.1.1.1.1	behaviour.
Intrinsic	Motivation that comes from internal factors
Motivation	
Extrinsic	When external factors provide the motivation to take part in fitness activity
Motivation	tangible and intangible rewards.
Motivation C2 – The Impact	tangible and intangible rewards.
Motivation C2 – The Impact Self-Confidence	tangible and intangible rewards.
Motivation C2 – The Impact Self-Confidence can have on	tangible and intangible rewards.
Motivation C2 – The Impact Self-Confidence can have on Participation in	tangible and intangible rewards.
Motivation C2 – The Impact Self-Confidence can have on	tangible and intangible rewards.

Desitive	Looders of an art and estivity on a provide sytuing is mativation through
Positive	Leaders of sport and activity can provide extrinsic motivation through
Reinforcement	positive reinforcement
Positive	Creating a positive environment so that participants feel comfortable
Environment	exercising
Similar Ability	Working with a training partner of similar ability
Goal Setting	Setting realistic goals for the fitness session
Self-Talk	Positive self-encouragement during the fitness session.
C3 – The Impact of	
Anxiety on	
Participation in	
Sport	
Anxiety	The level of worry or nervousness a participant experiences.
State Anviety	Anxiety refers to a particular situation, may arise when there is a high-
State Anxiety	pressure situation and the participant must perform
Trait Anxiety	The participant is tense and apprehensive as a character of their personality
Hait AINICLY	and therefore anxiety is a consistent feeling for them (the nervous system is
	continually activated in a number of situations).
Somatic Anxiety	Physical effects of anxiety that are brought on by state or trait anxiety -
	butterflies in the stomach, muscle tension, increased heart rate, increase
	sweat rate
Cognitive Anxiety	Psychological effects of anxiety that are brought on by state or trait anxiety
	 – feeling worried, poor concentration levels, lack of sleep due to
	overthinking.
Familiarisation	Participants can choose music that lowers anxiety levels and motivates
	them to participate
Use of Music	Participants can choose music that lowers anxiety levels and motivates
	them to participate
Ability Levels	Fitness classes, outdoor activities and sports training are based on ability
	levels and therefore participants feel comfortable participating at the right
	level for them
Pre-Match Team	To reassure players and reduce worry
Talk	