MASTER OF PHYSICAL EDUCATION EXAMINATION, 2019

(2nd Year, 3rd Semester)

SCIENTIFIC PRINCIPLES OF SPORTS TRAINING

PAPER - PG/MPCC - 301

	,	MILK - I G/MI CC - 301	
,	Time: Three hours		Full Marks : 70
	Group - A: Answer any three	questions	
1.	Elucidate the meaning and Definition of sports traing. Explain the aims and characteristics of sports training.		5+10 =15
2.	What is training load? What	are the various types of training load?	2+3+5+5=15
	Describe the various comp	onents of training load. Explain the	
	relationship between load and	l recovery.	
3.	What is endurance? What are the various types of endurance?		2+4+9=15
	Explain the various methods	for developing endurance.	
4.	What is periodization? Write down the objectives of periodization		3+3+9=15
	Describe the different phases of periodization and their aim and		
	contents.		,
	What is doping? Explain the	3+4+8=15	
	Group – B : Answer <i>any two</i> q Write short notes:	$7\frac{1}{2} \times 2 = 15$	
	a) Principles of overload.		
	b) Strength and its developme	ent.	
	c) Development of flexibility	,	
	d) Micro, Meso and Macro cycle.		
7.	Group – C: Answer any ten questions Choose the correct option from the following:		$1 \times 10 = 10$
, ,	i) The duration of the meso cycle of training is		
	a) One day	b) One week	·
	c) 2 to 3 weeks	d) 4 to 6 weeks	
	ii) Sprinting speed is best developed through		
	a) Fartlek	b) Continuous running	
	c) Weight training	d) Differential races	
	iii) Development of maximum strength should start at the age of		
	a) 8 to 10 years	b) 11 to 13 years	
	c) 14 to 15 years	d) 16 to 18 years	

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iv) The time elapsed between	the moment of application of a stimulus and the moment		
of first response is			
a) Reaction time	b) Movement time		
c) Response time	d) None of these		
v) Football players use anabol	ic steroid in order to increase their		
a) Lean body mass and stre	ength b) Ability to concentrate		
c) Power to kick the ball	d) Speed and tackling ability		
vi) Select the correct sequence	of overload symptoms:		
a) Performance, Clinical, Psychic, Physiological			
b) Physiological, Performance, Clinical, Psychic			
c) Psychic, Physiological, Performance, Clinical			
d) Clinical, Psychic, Physiological, Performance			
vii) Which principle of sports training refers to general motor skills and fitness			
development?			
a) Principle of periodizatio	n b) Principle of individuality		
c) Principle of specificity	d) Principle of overload		
viii) In endurance training in	order to receive adaptation results, the heart rate must be		
kept above			
a) 140 beats per minute	b) 150 beats per minute		
c) 160 beats per minute	d) 180 beats per minute		
ix) Strength gain is the fastest			
a) Isokinetic weight train	ing b) Isometric weight training		
c) Isotonic weight trainin	g d) Fartlek training		
x) Interval training was inven	ted by		
a) Dr. Earnest Van Aaker	b) Edward Emu		
c) Raindell and Greschler	c) Morgan and Adamson		
xi) Wind sprints, acceleration	runs are the variations of		
a) Repetition method	b) Interval method		
c) Continuous method	d) None of these		
xii) Which of the following principle is used in Plyometric training?			
a) Isokinetic contraction	b) Eccentric contraction		

d) Isotonic contraction

c) Isometric contraction