2021

SCIENTIFIC PRINCIPLES OF SPORTS TRAINING

Paper: MPCC-301

Full marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answer in their own words

as far as practicable.

Answer all the questions

1. What do you mean by Sports Training and Sports Coaching? Describe the principles of Sports Training. 5+10

Or.

Write down the aim and objectives of Sports Training. Briefly explain about the philosophy of Sports Coaching. 7+8

2. Define Training Load. What are the different components of Training Load? Explain the cause-and-effect relationship between Load and Adaptation. 3+6+6

Or.

Describe the various causes of Overload. What are the measures to be taken for tackling Overload? What do you understand by Super Compensation? 5+5+5

3. What is Strength? Write down the factors effecting Strength. Discuss the methods of developing Strength. 2+5+8

Or,

Define Endurance. What are the different forms of Endurance? Describe the various training methods that can develop Endurance of an athlete.

2+5+8

4. Short notes on following (any two):

7.5x2

- a) Periodisation and its phases
- b) Tactics
- c) Training cycle
- d) Various Coordinative Abilities

		(2)
5.		er the MCQs from below by choosing the correct option and writing the er on your script (any ten): 10x1
	a)	Sports training aims at improvement of: (i) Performance (ii) Physical fitness (iii) Technical skill (iv) Tactical development
	b)	Adaptation process is set when load is: (i) Minimum (ii) Average (iii) Optimum (iv) Overload
	c)	The degree of load is called: (i) Internal load (ii) External load (iii) Both (a) and (b) (iv) None of the foregoing
	d)	Isometric contraction is also known as: (i) Dynamic contraction (ii) Static contraction (iii)Eccentric contraction (iv)Concentric contraction
	e)	Fartlek training method is used for developing : (i) Strength (ii) Speed (iii)Endurance (iv)Power
	f)	Training load is determined by which of the following: (i) Pulse rate (ii) Blood lactate (iii)Intensity of load (iv)All of the above
	g)	Increase of muscle mass due to weight training is called: (i) Muscular hypertrophy (ii) Muscular atrophy

(iii)Muscular hypotrophy

(iv)Haematoma

h)	To improve the cardio-respiratory endurance, you need to emphasis on : (i) Repetition (ii) Intensity (iii)Duration (iv)Density		
i)	Stretch the leg with the help of partner is related to: (i) Active flexibility		
	(ii) Passive flexibility		
	(iii)Static flexibility		
	(iv)Dynamic flexibility		
j)	Through maximal effort method we can develop:		
	(i) Power		
	(ii) Maximum Strength		
	(iii)Explosive Strength		
	(iv)Strength endurance		
k)	There is no muscle contraction during:		
	(i) Isometric exercise		
	(ii) Isotonic workouts		
	(iii) Isokinetic exercise		
	(iv) None of these		
1)	Which one of the following is the most appropriate method of training to		
	improve flexibility:		
	(i) Slow stretching method		
	(ii) Yoga		
	(iii)Ballistic method		
	(iv)Post isometric stretch.		