M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education
Paper: I (Sports Management and Planning Sports Facilities)

Time: 30 Min. Marks: 17

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Roll No. in Fig.

Roll No. in Words.

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Attempt this Paper on this Question Sheet only.

Signature of Supdt.:

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

QN	lo :	1 Choose the correct answer Cutting and overwriting is not allowed
	1.	Management is the combination of
		(a) Drawing (b) Philosophy (c) Art or Science (d) trading (e) None of these
	2.	
	٠,	(a) Koniology (b) Quantitative Biomechanics (c) Equipment Analysis (d) Both A &B (d) None
	3.	There arekind of artificial surfaces
ń. *		(a) 2 (b) 3 (c) 4 (d) None of these
	4.	Top level management is occupied by
		(a) Foreman (b) Managers (c) Directors (d) All Of them (e) None of these
	5.	S.W.O.T Analysis is to identify
		(b) Strength work Oppose and try
		(c) Strength Workshop opposite Terrified
		(d) Strength Weakness opportunity Threats
		(e) None of them
	6.	Function of management is classified by Gullck Unwick in
		(a) 1911 (b) 1937 (c) 1965 (d)1943 (e) None of these
	7.	
		(a) 100-75 meters (b) 100-50 meters (c) 100-25 meters (d) 100-45 meters (e) None of these

P.T.O.

	ο.	riaming is deciding in advance what to do how to do According to
		(a) Sir Issac (b) Koontz(c) Peter (d) effective manager (e) None of these
	9.	Which process was listed by Gullck and Unwick
,		(a)Planning and organizing (b) Leadership (c) Staffing directing and controlling (d) A and C
	10.	. Which one is not considered as organization?
		(a) Clubs (b) Society (c) Schools (d) Organization
	11.	. The planning process has steps
		(a) 3(b) 4 (c) 5 (d) A and C
	12.	The temperature of water in international swimming pool is
		(a) 20-24 C° (b) 25-28 C° (c) 29-32 C° (d) 15-19 C°
	13.	Staffing in sports management involves
	1.4	(a) Supervision (b)Motivation (c) Communication (d) None of these
	14.	Management is concerned with the of policies?
	4 =	(a) Determination (b) Implementation (c) Both A and B (d) None of these
		What is Asiad
		(a) A person name (b) An Animal (c) A sports event (d) A disease (e) None of these
	16.	Mostly funds should be generated through for sports events
		(a) Donation (b)Gifts (c) Funds from Public Sectors (d) All of these
	17.	is a managering program that involves arranging and structure of work to
		accomplish goals
		(a) Planning (b) Leading (c) Controlling (d) Organizing



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Paper: I (Sports Management and Planning Sports Facilities)

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

- Q No 2 Define and explain the following terms in sports management and planning?
 - (a) Unit plan
- (b) Functional Plan
- (c) Awards of the event

- (d) Customs .
- (e) Budgeting
- (f) Equipment's
- Q No 3 Define management? Write down its importance in sports era?
- Q No 4 (a) Define Artificial surfaces? Write a detail note on indoor artificial surfaces?
 - (b) Write down importance of artificial surfaces in sports
- Q No 5 Write a comprehensive note on biomechanics research laboratory?
- Q No 6 Explain and define importance of inventories in sports?
- Q No 7 Write a detailed note on Planning Commission 1?
- Q NO 8 Write a detail note on Co-operative Structure of Pakistan Cricket Board (PCB)?

M.A./M.Sc. Part - I Annual Exam - 2019

B. Polymers

Subject: Sport Science & Physical Education

A. Tumors

Paper: II (Sports Nutrition)

Time: 30 Min. Marks: 17

Signature of Supdt.:

Roll No. in Fig.

Roll No. in Words.

Attempt this Paper on this Question Sheet only. Division of marks is given in front of each question. This Paper will be collected back after expiry of time limit mentioned above.

2.1. Encircle the right answer cutting and overwriting is not allowed.	
A. Macro Nutrients B. Micro Nutrients C. Vitamins D. Minerals 2	
3Play a vital in regulating body processes like growth, eyesight, health of the skin	
and good digestion A. Fats B. Minerals C. Protein D. Vitamins E. Carbohydrates	
4. Rectum is aboutlong	
A. 15 Inches B. 15 mm C. 15 Meters D. 15 cm	
 5. In Carbohydrates Maltose are considered as A. Disaccharides B. Monosaccharides C. Polysaccharides D. Oligosaccharides 6. Fibers are Beneficial for weight control by contributing to satiety & delay gastric emptying which is 	
also called A. Gastroparesis B. Ketosis C. Dialysis D. Hydrolysis	
7. Saliva contains amylase Converts polysaccharides, starch, into oligosaccharides, maltose, and gluco	se
Broken down by reaction	<u> </u>
A Understante B. Kotosis C. Acidosis D. Both A & C	
8. Proteins areof smaller units called amino acids, some of which can be manufactured in the body (so-called "non-essential"), and others must be provided pre-formed	n d
by food (the essential amino acids) A. Tumors B. Polymers C. Producers D. Enzymes	P.T.O.

C. Producers

9.	Protein recommended for strength athletes isA. 0.8 gm/kg/day B. 1.8 gm/kg/day C. 1.4 gm/kg/day	D. 1.2 gm/kg/day
10.	Without adequate protein A. Cells lining the GI tract are not sufficiently replaced as they sloug B. Digestive function is inhibited C. Absorption of food is reduced	
11.	D. Immune system is compromised due to malnutrition and cannot E. All of the above People choose vegetarian diets for a reason of A. Ethical B. Religious C. Both A & B. D. Health	
	Severe protein deficiency leads to A. Kwashiorkor B. Marasmus C. Marasmic Kwashiorkor	
	Dietary fiber is provided in A. Whole grains B. Legumes C. Vegetables D. Fruits	E. All of the Above
	. Calcium, Phosphorus & Magnesium are: A. Major Minerals B. Trace Minerals C. Micro Nutrient	D. Macro Nutrient by cigarette smoke.
	A. Major Minerals B. Hace Winerals Smokers have increased needs thought to be 2 oxidative stress caused A. Vitamin B12 B. Thiamin (Vitamin B1) C. Riboflavin (Vitamin B1) C. Riboflavin (Vitamin B1) I ght, which trigger nerve impulses that pass via the optic nerve to the light, which trigger nerve impulses that pass via the optic nerve to the light.	at contains cells sensitive to
17	formed A. Membrane B. Portal Vein C. Retina Vitamin D helps to balance ofin our body A. Phosphate B. Calcium C. Iron D. Both A &	D. Lense B E. Both B & C



M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education

Paper: II (Sports Nutrition)

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

- 2 Briefly describe the followings
 - A. Non-Essential Amino Acid
 - B. Cholesterol
 - C. Body Mass Index
 - D. Hyponatremia
 - E. Glycemic Index
 - F. Hypotonic Drinks
- 3 What are lipids? Explain different functions of fats in human body in detail
- A. How eating disorders hurt an athlete badly and suggest its treatment?
- Explain how Carbohydrates provide energy to athletes through Oxidative Independent Energy system?
- 名。Explain in detail Caffeine's effects on metabolism
- 7 Write a detail note on the following
 - (a) Vitamin K

- (b) Sodium (Na)
- **B** Define protein and discuss in detail the functions of protein

M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education

Paper: III (Sports Biomechanics)

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Attempt this Paper on this Question Sheet only. Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Signature of Supdt.:

Roll No. in Fig.

Roll No. in Words.

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1 x 17=17

- 1. Which of the following affects the time that a horizontally projected object remains in the air?
 - a) weight of projectile
 - b) mass of projectile
 - c) projection height
 - d) all of the above
- All of the following quantities except one represents a type of force. Which quantity is 2. force?
 - a) Friction
- b) mass
- c) weight
- d) gravity
- If an object of constant mass travels with a constant velocity, which statement is true? 3.
 - a) momentum is constant
 - b) acceleration is zero
 - c) both a and b are true
 - d) none of the above are true
- The product of force and the time during which the force acts defines what? 4.
 - a) linear momentum
 - b) linear impulse
 - c) linear velocity
 - d) linear acceleration
 - How does adding weight to the back of a pickup increase the friction between the tires 5. the icy road?
 - A. changes μk
 - B. changes μ_s
 - C. changes R
 - D. friction is not increased
 - How does wearing gloves increase the friction between the hands and the bat?
 - A. changes μk
 - B. changes μ_s
 - C. changes R
 - D. friction is not increased
- 7-Which of the following would <u>not</u> be measured in a kinematic analysis of a tennis serve?
 - A. angular velocity
- B. linear velocity
- C. muscular force
- D. angular acceleration

P.T.O.

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8-Which of the	following motions occurs primarily in the sagittal plane?
A. running	B. a cartwheel C. Lateral Flextion D. all of the above
_	following is associated with kinematics?
9. Willen of the i	
a)	Force b) displacement c) mass d) torque
10. Terms such	as "good", "long", "flexed", and "heavy" are used in what type of biomechanical analysis
	A. Quantitative B. qualitative C. anthropometric D. kinetic
11. Which of th	e following relationships is always true?
A.	$\mu_{\rm k} < \mu_{ m s}$
	$\mu_{\rm s} < \mu_{\rm k}$
	$\mu_{k} = \mu_{s}$
	none of the above
12. Which of t	he following questions about the long jump should be answered quantitatively? What is the horizontal velocity at take-off?
	What is the angle at take-off?
	both a & b
,	neither a nor b
	s an example of which form of motion? Angular b) general c) rectilinear d) curvilinear
a)	Angular b) general c) rectilinear d) curvilinear
14. If veloc	ity is constant, then acceleration is what?
	zero
b)	constant, but not necessarily zero
c)	constant
d)	not need more information
15. If accel	eration is constant and positive, velocity is what?
a)	zero
b)	increasing
c)	decreasing
d)	need more information
16 In which	th of the following track events is distance equal to displacement?
a)	400 m dash
b)	200 m dash
c)	100 m dash
d)	5K road race (starting line is finish line)
17 The me	est important condition for maximum horizontal displacement of a projectile is what?
a)	velocity at release or takeoff
b)	height of release or takeoff
c)	angle of projection
d)	all of the above are of equal importance
	and the second of the second o



M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education

Paper: III (Sports Biomechanics)

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2.	Define	e the following terms i	n 2 – 3	lines.			$(6 \times 2 = 12)$
	i.	Kinetics	ii.	Inertia	iii.	Impulse	
	iv.	Impact	v.	Momentum	vi.	Moment of In	nertia
Q.3.	Defin	e Sports Biomechanics	, in the	recent years how sp	ports scien	tists use the know	owledge of
	Sports	s Biomechanics in diffe	erent sp	oorts.			(12)
Q.4.	Explain the Newton's law of motion and relate with sports. (12)						
Q.5.	. Discuss Balance and Stability which factors effect on stability. (12)						
Q.6.	S.1 = S. =					(12)	
Q.7.	(6)				(6)		
	(b)	Walking, running, ba	ack role	e, side bend, forward	d role and	longitudinal tw	isting these
		movements in which	plane	write the names sep	arately.		(6)



M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education Paper: IV (Methodology of Scientific Coaching)

iii. Tactical

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Note: Attempt any FOUR questions. All questions carry equal marks. Attempt these short questions? i. Write any four communicational skill of a coach? ii. What the three stages of learning? iii. What are the steps for teaching sports skills? iv. Write the difference between exercise and physical activity? ν. Define BMI? vi. Name different skill relate fitness components? 3. What is the Philosophy of a Sports Coach according to Martens (2004)? Describe peculiar and crew tenets of a sports coach? What are the different discrepancies Lyle (2002) found between domineering and egalitarian coaching activities? 34. Briefly explain the milieu of training frequency, intensity, quantity and rest with stamina, strength hypertrophy and power for a 100m sprinter? (12) 5. How Principal of Individual difference vary in different body parameters for strength and endurance sports? What are different type of warm up and what purpose they serve? Why cool down is important for athletes? 6. Briefly define the different components of Physical Fitness? Write detailed note on balance and Agility? (6+3+3)7. Differentiate between Principal of Progression, Progressive overload and Retrogression with special reference to strength and endurance sports? (4+4+4)8. Write not on the following training strategies for contact sport: Physical ii. Technical

vii.

(a) Micro cycle

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M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education Paper: IV (Methodology of Scientific Coaching) Time: 30 Min. Marks: 17

Signature of Supdt.:

Roll No. in Fig.

Roll No. in Words.

Attempt this Paper on this Question Sheet only. Division of marks is given in front of each question. This Paper will be collected back after expiry of time limit mentioned above.

Q.1. A	Attempt all multiple-choice questions.	
i.	'Cybex' Machine is based on the principle of: (a)Isometric contraction (b) Isotonic contraction	(c) Isokinetic contraction (d) None of these
		(c) isokinetic contidered (d) item of the
ii.	Body fat ratio is measured by	(c) Lactometer (d) Goniometer
	(a) Stadiometer (b) Spiro meter	(c) Lactometer (d) Goniometer
iii.	Body adjustment to training load is known as:	
	(a) Strength (b) Acclimatization	(c) Super Compensation (d) None of these
iv.	Basic principle of fartlek training:	
	(a) Variation in space (b) Variation in load	(c) Variation in place (d) Variation in speed
v.	Power is denoted by:	
	(a) Maximum Strength with maximum speed (b) Speed	Ability (c) Explosive Strength (d) None of these
vi.	Isotonic exercises are used best to develop:	e de la companya de
•	•	

(b) Speed (a) Endurance

The reasons of low sports performance in strength sports is

(c) Muscular fragility (d) All above (b) Low Muscle Power

(c) Strength

(a) Weak muscles viii.

The name of training cycle of one month to six months is:

(b) Meso cycle (c) Macro cycle (d) All of above

(d) Agility

P.T.O.

IX.	Circuit training is an effecti	ve method for developi	ng:			
	(a) Speed	(b) Flexibility	(c) Strength Endurance	ce (d) Agility		
х.	Plyometric is also called:	•	()	(d) rightly		
	(a) Reflex phenomena	(b) Reactive Jumps	(c) Agility Training	(d) All of these		
xi.	Components effect on the sp	peed of recovery:	() () ()	(a) III of those		
	(a) Water and Mineral replenishment (b) Nutrition replenishment (c) Health & physical fitness					
	(d) All of these	` ,	1 (-) 112	ann oo physical filliess		
xii.	"Fartlek Training" was devi	sed and adopted in:				
	(a) Japan	(b) England	(c) Sweden	(d) USA		
xiii.	Speed play is also known as		() = ======	(d) O5/1		
	(a) Weight Training	(b) Pressure Training	(c) Fartlek Training	(d) Interval Training		
xiv.	Interval Training is good for	;	.,	(a) moor var 1 mining		
	(a) Off Season	(b) Pre-Season	(c) Competition Perio	od (d) Both a & b		
XV.	Who invented pyramid train	ing:	•			
	(a) Russians	(b) Aristotle	(c) Herbert Spencer	(d) C. A Bucher		
xvi.	Transition period aims at:		•			
	(a) Stabilization	(b) Super Compensati	ion (c) Recovery	(d) Both a & c		
cvii.	Power is denoted by:		•	()		
	(a) Strength & Endurance	(b) Strength and Body	composition	(c) Strength & speed		
	(d)Maximum strength with n	naximum speed		•		



M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education

Paper: V (Sports Psychology)

Roll No.

Time: 2 Hrs. 30 Min. Marks: 48

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2.	Writ	te the short answers of the following:	5x2=12
	i.	Define cognitive Psychology?	WZ-1Z
	ii.	Define Stress Management?	
	iii.	Write down the strategies to relief stress?	
	iv.	How will you use imagery in sports?	
	v.	Write names of principles of goal setting?	
	vi.	Write down the procedure of putting positive thinking into pra	ctice?
Q.3.	Defi	ne Sports Psychology? Explain the braches of Sports Psychology?	4+8
Q.4.	Expla	ain Management Teaching used by coaches and players.	12
Q.5.	Expla	ain the 6 Key components of commitment?	12
Q.6.	How	you can develop safe confidence through self talk?	12
Q.7.	Expla	in the types of aggression in detail	12
Q.8.	Desci	ribe internal and external factors of attention	12



M.A./M.Sc. Part - I Annual Exam - 2019

Subject: Sport Science & Physical Education Paper: VI (Human Anatomy)

•		
•		•
 Roll 	No	
••••	No	

Time: 2 Hrs. 30 Min. Marks: 48

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

	Note: Attempt any FOUR questions. All questions carry equal marks.	•
Q.2:	Write short notes on the following.	(4×3)
i. ii.	Functions of Liver Name the tarsal bones	
iii. įv.	Difference between Myoglobin and Haemoglobin Motor Unit	
Q.3:	Name the parts of Digestive system and explain the digestion of food?	(3, 9)
Q.4:	Give difference between the following.	(10, 2)
i.	ST & FT skeletal muscle fiber	
ii.	Glucagon & Insulin	•
,Q.5:	Discuss the structure and movements of knee joint?	(10, 2)
Q.6:	Discuss the mechanism of inspiration and expiration in detail?	(6, 6)
Q. 7:		
i. ii. iii.	Prime movers Action of Paradox Syngist muscles	4=12)
Q.8:		(12)