# SYLLABUS FOR

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# **UNDER GRADUATE PROGRAMME**

# Three Year (Six Semester) Course

**B.Sc. Physical Education and Sports (P.H.E.S.)** 

N.E.P.- 2020

W.e.f. session 2025-26

Dr Sanderp Guptar & Dr Scholer Maan Maan - Smalor Dr Rita Bora for Dr Ajay Malik -Mukel Part (Pr. Dr

Maa Shakumbhari University, Saharanpur

# SYLLABUS Designed By:-

S.NO.	NAME	DESIGNATION	DEPARTMENT	UNIVERSITY/COLLEGE
1	Prof. Sandeep Gupta (Convenor)	Professor	Physical Education	J.V.JAIN COLLEGE, SRE
2	Dr. Sehdev Maan (Internal Menber)	Professor	Physical Education	CCRD (PG) COLLEGE, MZN
3	Dr. Parveen Ahmed (Internal Menber)	Professor	Physical Education	R.K.(PG) COLLEGE, SHAMLI
4	Dr. Rita Bora (Internal Menber)	Asso. Professor	Physical Education	ML &JNK COLLEGE , SAHARANPUR
5	Prof. Ajay Malik (External Menber)	Asso. Professor	Physical Education	G.K.V. HARIDWAR
6	Dr. Mukul Pant (External Menber)	Asso. Professor	Physical Education	H.N.B. UNIVERSITY, GARHWAL

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Course	*Credits				
	Theory+ Practical	Theory+Tutorials			
I. Core Course (12 Papers)	12X4=48	12X5=60			
Core Course Practical / Tutorial* (12 Practical/ Tutorials*)	12X2=24	12X1=12			
II. Elective Course (8 Papers) A.1 Discipline Specific Elective (4 Papers)	4x4=16	4X5=20			
A.2 Discipline Specific Elective Practical / Tutorials* (4 Papers)	4X2=08	2X1=2			
B.1 Generic Elective/Interdisciplinary (2Papers)	2X 4=08	2X5=10			
B.2 Generic Elective Practical / Tutorials* (04 Papers)	2X2=04	2X1=2			
<ul><li>III. Ability Enhancement Courses</li><li>1. Ability Enhancement Compulsory</li><li>Course(AECC)</li><li>(2 Papers of 4 credits each)</li><li>Environmental Science</li></ul>	4 X2=8	2 X 4=8			
English/MIL Communication					
2. Skill Enhancement Course (SEC) (Skill Based) (Minimum 2, Max. 4)	2 X 2=4	4 X 2=8			
	Total credit= 120	Total credit= 122			

Details of Courses Under Undergraduate Programme B.Sc. (P.H.E.S.)

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\* Allotment of option by previous semester/exam merit \*\* Facilities not available Abbreviations:-

Discipline Compulsory Core (12) DCC =

Core Compulsory Practical (12) CCP =

DSE = Discipline Specific Elective (8)

DSCP Discipline Specific Core Practical (8) =

Skill Enhancement Course (4) SEC =

Ability Enhancement Compulsory Course (2) AEC = Srag

Generic Elective Course (02) GEC =

# CHOICE BASED CREDIT SYSTEM

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		B.Sc. (P.H.E.S.)							
S.	Subject	Subject Title	Credits	Eval	Subject				
No	Code			SESSIONAL			ESE	Total	
				CT	TA	Total			
		I SEMESTER B.Sc. (P.H.E.S)	).I YEAR						
1	BES-C101	History of Physical Education	4	20	10	30	70	100	
2	BES-C102	Track & Field (track events)	4	20	10	30	70	100	
3	BES-C104	Anatomy & Physiology	4	20	10	30	70	100	
4	BES-C151	Practical-History of Physical Education	2	-	-	30	70	100	
5	BES-C152	Practical-Track & Field (track events)	2	-	-	30	70	100	
6	BES-C154	Practical- Anatomy & Physiology	2	-	-	30	70	100	
7	BEN-A101	Sports Sociology	4	20	10	30	70	100	
~	TOTAL							700	
		II SEMESTER B.Sc. (P.H.E.S.	) I YEAR		-				
8	BES-C202	Badminton & Squash	4	20	10	30	70	100	
9	BES-C203	Olympic Education	4	20	10	30	70	100	
10	BES-C204	Kinesiology	4	20	10	30	70	100	
11	BSE-C252	Practical-Badminton & Squash	2	-	-	30	70	100	
12	BES-C253	Practical-Olympic Education	2	-	-	30	70	100	
13	BES-C254	Practical- Kinesiology	2	-	-	30	70	100	
14	BEG-A201	Sports Psychology	4	20	10	30	70	100	
Т	OTAL							700	
		III SEMESTER B.Sc. (P.H.E.S	).II YEAR						
15	BES-C301	Health Education	4	20	10	30	70	100	
16	BES-C302	Volleyball & Basketball	4	20	10	30	70	100	
17	BES-C303	Track & Field (Field events)	4	20	10	30	70	100	
18	BES-C351	Practical-Health Education	2	-	-	30	70	100	
19	BES-C352	Practical-Volleyball & Basketball	2	-	-	30	70	100	
20	BES-C353	Practical-Track & Field (Field events)	2	-	-	30	70	100	
21	Skill Enhancement Course (Opt any one) (SEC-1)								
	BES-S301	Health awareness & general fitness	4	20	10	30	70	100	
	BES-S302	Physical Growth & Development	4	20	10	30	70	100	
							TOTAL	700	
		IV SEMESTER B.Sc. (P.H.E.S.)	) II YEAR	2					
22	BES -C401	Officiating and Coaching	4	20	10	30	70	100	
23	BES -C402	Sports Medicine	4	20	10	30	70	100	
24	BES -C403	Test, Measurement & Evaluation in physical	4	20	10	30	70	100	
		Education							
				-		30	70	100	
25	BES -C451	Practical-Officiating and Coaching	2	-	-	1 30	10		
	BES -C451 BES -C452	Practical-Officiating and Coaching Practical-Football & Hockey	2	-	-	30	70	100	
26	BES -C452	Practical-Football & Hockey	2		-	30	70		
25 26 27		Practical-Football & Hockey           Practical-Test, Measurement & Evaluation in	_	-	-			100 100	
26 27	BES -C452 BES -C453	Practical-Football & Hockey         Practical-Test, Measurement & Evaluation in         physical Education	2	-	-	30	70		
26	BES -C452 BES -C453 Skill Enhance	Practical-Football & Hockey         Practical-Test, Measurement & Evaluation in         physical Education         ement Course (Opt any one) (SEC-2)	2 2	-	-	30 30	70	100	
26 27	BES -C452 BES -C453	Practical-Football & Hockey         Practical-Test, Measurement & Evaluation in         physical Education	2	-	-	30	70 70		

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		V SEMESTER B.Sc. (P.H.E.S.)	). III YEA	AR		_			
29	Skill Enhancement Course (Opt any one) (SEC-3)								
	BES-S501	Bio Mechanics	4	20	10	30	70	100	
	BES-S502	Personality Development	4	20	10	30	70	100	
30	Discipline Specific Elective (Opt any one) (DSE-1A)								
	BES-E501	Cricket	4	20	10	30	70	100	
	BES-E502	Kho-Kho	4	20	10	30	70	100	
31	Discipline Specific Elective practical (As Opt in theory) (DSE-1A)								
	BES-E551	Practical-Cricket	2	-	-	30	70	100	
	BES-E552	Practical-Kho-Kho	2	_	-	30	70	100	
32	Discipline S	specific Elective (Opt any one) (DSE-2A)							
-	BES-E503	Handball	4	20	10	30	70	100	
	BES-E504	Kabaddi	4	20	10	30	70	100	
33		pecific Elective practical (As Opt in theory) (DSE-2A)	•	20	10	30	1.0	100	
55	BES-E553	Practical-Handball	2	-	-	30	70	100	
	BES-E553	Practical-Kabaddi	2		-	30	70	100	
34		ctive (Opt any one from following 1 & 2 )	4	20	10	30	70	100	
54	1. INTRODUCTION OF YOGA 2- PATANJAL YOGA								
								(00)	
	TOTAL							600	
		VI SEMESTER B.Sc. (P.H.E.S.	), III YEA	AR _					
36		ement Course (Opt any one) (SEC-4)	1.			-		100	
	BES-S601	Sports and Exercise Nutrition	4	20	10	30	70	100	
	BES-S602	Athletic Care and Rehabilitation of sports injuries	4	20	10	30	70	100	
37	Discipline Specific Elective (Opt any one) (DSE-1B)								
	BES-E601	Safety Education	4	20	10	30	70	100	
	BES-E602	Water Sports	4	20	10	30	70	100	
38		becific Elective practical (As Opt in theory) (DSE-1B)			1	20	70	100	
	BES-E651	Practical-Safety Education	2	-	-	30	70	100	
	BES-E652	Practical-Water Sports	2	-	-	30	70	100	
39	<u>-</u>	Specific Elective (Opt any one) (DSE-2B)			10	20	70	100	
	BES-E603	Judo	4	20	10	30	70	100	
_	BES-E604	Table Tennis	4	20	10	30	70	100	
40	Discipline Specific Elective practical (As Opt in theory) (DSE-2B)								
	BES-E653	Practical-Judo	2	-	-	30	70	100	
	BES-E654	Practical-Table Tennis	2	-	-	30	70	100	
41	Generic Elective (Opt any one from following 1 & 2)420103070							100	
	1-APPLIED YOGA , 2- YOGIC TEXT & YOGI								
								600	
	TOTAL								

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Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

#### **HISTORY OF PHYSICAL EDUCATION**

#### **UNIT-I:**

#### Introduction

Meaning, Definition, Need and Scope of Physical Education Aims and Objectives of Physical Education A Brief Historical Perspective of Physical Education in India

#### UNIT-II:

Development of Physical Education at global level USA Russia Germany Denmark Rome Greece

#### **UNIT-III:**

Philosophy of Physical Education- Idealism, Naturalism, Realism & Pragmatism Need of Philosophy in Physical Education. Indian Olympic Association International Olympic Committee

#### **UNIT-IV**

Physical Education & Sports Institution in India-YMCA, HVPM & LNIPE Sports Coaching Schemes their functions & Objectives-Raj Kumari Amrit Kaur Sports coaching scheme, NSNIS, Patiala & SAI Awards Honors and Awardees

#### SUGGESTED READINGS:

Malik Ajay (2013) Foundation of physical education

Wuest DA and Bucher CA (2003). Foundations of Physical Education Exercise Science and Sports. McGraw Hill Companies, Inc., New York, USA

Kamlesh ML (2013). Physical Education and Exercise Sciences: An Objective Approach. Friends Publication. Delhi.

Uppal AK & Gautam GP (2008). Health and Physical Education. Friends Publication. New Delhi. Indian Olympic Association, Jan., 1976.

Singh, Ajmer et.al. "Modern Text Book of Physical Education, Health and Sports", Kalyani Publishers, Ludhiana,2000

Singh, Ajmer et.al. "Olympic Movement" Kalyani Publishers, Ludhiana, 2000

Dagar, R.K.S. and Chauhan, Shiv Kumar., "Philosophical Foundations of Physical Education and sports" friends publications, New Delhi 2005.

**BES-C101** Time allowed: 3Hrs

<b>29</b>	Skill Enhancement Course (Opt any one) (SEC-3)								
	BES-S501	Bio Mechanics	4	20	10/	30	70	100	
	BES-S502	Personality Development	4	20	10	30	70	100	
30	Discipline Specific Elective (Opt any one) (DSE-1A)								
	BES-E501	Cricket	4	20 /	10	30	70	100	
	BES-E502	Kho-Kho	4	20	10	30	70	100	
31	Discipline Specific Elective practical (As Opt in theory) (DSE-1A)								
	BES-E551	Practical-Cricket	2	1-	- /	30	70	100	
	BES-E552	Practical-Kho-Kho	2 /	-	1	30	70	100	
32	Discipline S	specific Elective (Opt any one) (DSE-2A)	1		1				
	BES-E503	Handball	4	20/	10	30	70	100	
	BES-E504	Kabaddi	4	20	10	30	70	100	
33	Discipline Sp	ecific Elective practical (As Opt in theory) (DSE-2A)	1	1					
	BES-E553	Practical-Handball	2	1-	-	30	70	100	
	BES-E554	Practical-Kabaddi	2	-	-	30	70	100	
34		ctive (Opt any one from following 1 & 2)	4/	20	10	30	70	100	
54	1. INTRODUCTION OF YOGA 2- PATANJAL YOGA								
	TOTAL		1					600	
	IUIAL	VI SEMESTER (BPES, II	VEAR)					000	
36	CLUI Falance		I LAN)						
30	BES-S601	ement Course (Opt any one) (SEC-4)	4	20	10	30	70	100	
		Athletic Care and Revabilitation of sports injuries	4		10	30	70	100	
37	BES-S602       Athletic Care and Reliabilitation of sports injuries       4       20       10       30       70         Discipling Specific Elective (Opt any one) (DSE-1B)/								
51	BES-E601	Safety Education	4	20	1.0	30	70	100	
	BES-E602	Water Sports	4	20	10	30	70	100	
38	BES-E02 Water Sports 4 20 10 30 70 Discipline Specific Elective practical (As Optin theory) (DSE-1B)								
50	BES-E651	Practical-Safety Education	2	-	-	30	70	100	
	BES-E652	Practical-Water Sports	2			30	70	100	
39	Discipline Specific Elective (Opt any one) (DSE-2B)								
59	BES-E603	Judo	4	20	10	30	70	100	
	BES-E604	Table Tennis	4	20	10	30	70	100	
40			-	20	10	50	/0	100	
40	BES-E653	ecific Elective practical (As Opt in theory) (DSE-2B) Practical-Judo	2	-		20	70	100	
			2	-	-	30	-	100	
	BES-E654	Practical-Table Tennis	2	-	-	30	70	100	
41	8	ctive (Opt any one from following 1 & 2)	4	20	10	30	70	100	
	1-A]	PPLIED YOGA, 2- YOGIC TEXT & YOGI							
	TOTAL	<u>}</u>		500	-			600	
	TOTAL				-	10.00	5.1		
	GRAND TOT							4000	

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-C102** Time allowed: 3Hrs

# **TRACK AND FIELD (TRACK EVENTS)**

#### Unit-I

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Introduction to athletics (track events) Sprint Events Middle Distance Races Long Distance Races

#### Unit-II

Rules and regulations (track events) Duties of officials Equipment's

#### Unit-III

Brief background techniques and importance of motor-components of the following events: Sprint Events Relay Races Hurdle Races Flat Races

#### Unit-IV

Brief historical background of track events Organizing of athletic meet Role of various Committees. National records Various Awards

# **SUGGESTED BOOKS**

Chauhan VS (1999). Khel Jagat Mein Athletics. A.P. Pub, Jalandhar. Handbook-Rules and Regulation. International Athletic Federation (2010). Kumar, Pardeep. (2008). Historical Development of Track & Field. Friends Publication. New Delhi Shrivastav AK. Abhay Kumar (1997). Athletics. S & S Parkashan. Indian Olympic Association, Jan., 1976.

Singh, Ajmer et.al. "Olympic Movement" Kalyani Publishers, Ludhiana,2000 YMCA rule book of games and sports

Barar T.S.(2004) Track and Field- Officiating Techniques friends publication New Delhi Arora Monika(2005) Athletics Coaching Coaching Manual sports publication New Delhi.

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#### **SEMESTER** I

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-C104** Time allowed: 3Hrs

# ANATOMY & PHYSIOLOGY

#### UNIT-I:

Basic Concept Need and Importance of Anatomy and Physiology in Physical Education. Definition, Description of Cell Definition, types & description of Tissue Classification of Organ and System

#### **UNIT-II:**

Circulatory System: Organs Functions Introduction of Blood

# **UNIT III:**

Respiratory System Organs Functions

#### **Unit-IV:**

Digestive System Organs Functions

# **SUGGESTED BOOKS:**

Singh, Ajmer et.al. "Olympic Movement" Kalyani Publishers, Ludhiana,2000 Jain AK (2002). Anatomy & Physiology for Nurses. Arya Publishers, Delhi. Pearce E.C.(1973)Anatomy & Physiology for nurses. Faber and faber, London. Singh Shamsher (2007) Introduction to Anatomy and physiology, friend publication, New Delhi

Dhull D.S.(1998) Sharir rachana avem kriya vigyan Friend publication New Delhi, India Lakshmi D.R.(2007) Anatomy & Physiology in physical education, Sports education technology, New Delhi

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BES-C151 Passing marks-40

Max. Marks-100 70 Marks + Internal Assessment = 30 Marks

# HISTORY OF PHYSICAL EDUCATION

Preparation of report of National Sports awards of the last year (a scrap file). Pictorial Description of Olympic Games its sites. Viva-voce

# SEMESTER I

Max. marks-100 70 Marks + Internal Assessment = 30 Marks

# **TRACK & FIELD (Track Events)**

Technique of Start, Finish Baton Exchange File (history, rules, Techniques & records) Viva-voce

#### **SEMESTER** I

Max. Marks-100 70 Marks + Internal Assessment = 30 Marks

# **ANATOMY & PHYSIOLOGY**

Counting of pulse rate Study of different body system with the help of models A Scrape File Viva-voce

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**BES-C152** Passing marks-40

**BES-C154** Passing marks-40

# **B.P.E.S SEMESTER –I**

#### SPORTS SOCIOLOGY

#### UNIT-I

# 1. Concept of Sociology

Max. Marks: 60 External Marks: 40

Internal Marks: 20 Time: 3 hours

1.1 Meaning, nature and scope of sociology

1.2 Methods of sociology and their relationship with other social sciences.

1.3 Effect of various social forces on personality development.

1.4 Sport – medium of socio-cultural change.

# **UNIT-II**

## 2. Introduction to sports sociology

2.1 Meaning and scope of sports sociology

2.2 Sports sociology as a discipline

2.3 Sports as a social occurrence

2.4 Effect of appearance, sociability and specialization on sport participation

# UNIT-III

# 3. Sports and society

3.1 Socialization through games and sports

3.2 Recreation and its scope through games and sports.

3.3 Sport as an element of society

3.4 Sport as an element of cultural development

3.5 Sport as an art.

#### **UNIT-IV**

#### 4. Social factors concerning sports in society

- 4.1 Social stratification in sports
- 4.2 Demonstration in sports
- 4.3 Sport and women
- 4.4 Sport and children
- 4.5 Sport and older adults

# **REFERENCES** :

 $\Box$   $\Box$  Sing, Bhupinder, Sports Sociology

□ □ Yobu, A, Sociology of Sports, Friends publication, New Delhi.

□ □ Singh, Kawaljeet, Sociology of sports, Friends publication, New Delhi.

#### **SEMESTER II**

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-C204** Time allowed: 3Hrs

#### **KINESIOLOGY**

# **UNIT-I**

Definition& Meaning of Kinesiology Aims & objectives of kinesiology Scope of Kinesiology in physical Education and Sports Role of Kinesiology in physical Education and Sports

# UNIT-II

Fundamental concepts: Centre of gravity, line of gravity Axis and planes Fundamental movements of human body joints Meaning & definition of motion around various joints

#### UNIT-III

Introduction of Bones Composition of bones Types of bones Classification of bones

### UNIT-IV

Introduction of Muscles Types of muscles Classification of muscles Structure of Skeletal muscles

#### **SUGGESTED BOOKS**

Hamill, J. and Knutzen, K.M. (2003). Biomechanical Basis of Human Movement. Lippincott Williams and Wilkins, USA.
Hay (1993). The biomechanics of sports techniques prentice hall inc New Jersey.
McGinnis, P. (2004). Biomechanics of Sports & Exercise. Human Kinetics, USA.
Oatis, C.A. (2008). Kinesiology. 2nd Ed. Lippincott, Williams & Wilkins, USA.
Parmeswar ram P.(2001) Essentials of Kinesiology and Biomechanics New Delhi.
Rai Ramesh(2003) Biomechanics mechanical aspects of human motion, Agrim publication, Mohali.

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#### **SEMESTER II**

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-C202** Time allowed: 3Hrs

# **BADMINTON & SQUASH**

# **UNIT-I**

Introduction of Badminton Origin, historical perspectives and modern trends & development of Badminton Orientation of the fundamental skills Construction and maintenance of Badminton court Rules of the game. Introduction of Badminton Association of India (BAI) Introduction of International Badminton Federation (BWF)

# UNIT-II

#### Coaching and Officiating in Badminton

Duties/responsibilities of a coach Qualifications and qualities of a coach

Qualifications and, responsibilities/functions of technical officials Protocols of referees, judges, umpires

# UNIT-III

#### Introduction of Squash

Origin, historical perspectives and modern trends & development of Squash Orientation of the fundamental skills Construction and maintenance of Squash court- rules of the game. Introduction of Squash Association of India (SRFI) Introduction of International Squash Federation (SRF)

#### **UNIT-IV**

#### **Coaching and Officiating in Squash**

Duties/responsibilities of a coach

Qualifications and qualities of a coach

Qualifications and, responsibilities/functions of technical officials

Protocols of referees, judges, umpires

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#### SEMESTER II

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks BES-C203 Time allowed: 3Hrs

# **OLYMPIC EDUCATION**

# UNIT-I

History of ancient Olympic games History of modern Olympic games Role of Olympic movement

# UNIT-II

Aims and symbols of the Olympic movement The International Olympic Committee (IOC) The international bid process for selecting sites for the games Participation in Olympic games

# **UNIT-III**

Indian Olympic association & their role in promotion sports Olympic museum Para Olympic games Winter Olympic games

### **UNIT-IV**

Sports for all:-Culture, Olympism, winning, participation and universality of the games. Awareness of Drug abuse and doping. Role of WADA to control doping in sports.

#### **SUGGESTED BOOKS:**

Singh, M.K., Indian Women and Sports, Rawat Publication, 1991. Toropove, Brandon., The Olympic for Beginners, 2008. Wallechineley, Davi, The Complete Book of the Olympic, 1992.

#### **Suggested Readings:**

Singh, Ajmer et.al. "Olympic Movement" Kalyani Publishers, Ludhiana,2000 Osbome, Manpope, Ancient Greece and the Olympic, 2004. Oxlade, chris., Olympic, 199980

# PRACTICAL'S SEMESTER II

Max. marks - 100 70 Marks + Internal Assessment = 30 Marks

# SPECIALIZATION-BADMINTON & SQUASH

Demonstration of skills of Badminton Demonstration of skills of Squash A Scrape File Viva-voce

# **SEMESTER II**

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# **OLYMPICS EDUCATION**

**PRACTICAL:-**File on Olympic movement Viva-voce

# **SEMESTER II**

Max. marks - 100 70 Marks + Internal Assessment = 30 Marks

# KINESIOLOGY

A scrap file on Bones and Muscles Pictorial Description of Bones and Muscles. Viva-voce BES-C253 Passing marks-40

**BES-C252** 

Passing marks-40

**BES-C254** Passing marks-40

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# SEMESTER II SPORTS PSYCHOLOGY

Max. Marks: 60 External Marks: 40 Internal Marks: 20 Time: 3 hours

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# UNIT – I

UNIT –II

# 1. Introduction :

Meaning definition and nature of Psychology and Educational Psychology. Psychology as a Science. Importance of Psychology in Physical Education.

#### 2.1 Growth and Development :

- 2.1.1 Meaning of growth and development.
- 2.1.2. Physical, Mental & Social development
- during following stages :-
- 2.1.2.1 Early childhood
- 2.1.2.2 Middle childhood
- 2.1.2.3 Late childhood
- 2.1.2.4 Adolescences

## **2.2 Individual Differences:**

2.2.1 Meaning of the term individual difference

2.2.2 Heredity and Environment as causes

of Individual Differences

2.2.3 Interaction of Heredity and Environment

## UNIT-III

# 3. Learning

- 3.1 Meaning definition and nature of learning
- 3.2 Principles/Laws of Learning
- 3.3 Factors affecting Learning
- 3.4 Meaning and Conditions of Transfer to Training

## UNIT- IV

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# **1.1 Motivation and Emotion :**

1.1.1 Meaning of Motivation

1.1.2 Concept of need, drive, motive,

incentive and achievement

1.1.3 Types of Motivation

1.1.4 Role of Motivation in teaching physical activities

## **1.2 Emotion** :

1.2.1 Meaning and nature of Emotion

1.2.2 Typ

es of

# Emotion

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# **1.3 Personality :**

1.3.1 Meaning and nature of Personality

1.3.2 Dimensions of Personality

1.3.3



2. Introduction to Sports Psychology
2.1 Meaning and area/scope of sports psychology
2.2 Importance of sports
psychology for physical
educationists Coaches and players

#### **REFERENCES**:

Gates, A.I. at al. Educational Psychology (Macmillan
Co. N.Y. 1957) Lindgram, H.E. Advanced Educational
Psychology in the classroom.
Kuppnswami, B. Advanced Educational Psychology (Sterling Publishers Pri.
Ltd., 1947) Oxendine, J.B. Psychology and Motor Learning (Engle wood chffs :
New Jersey, 1968)
Dr. M.L. Kamlesh, "Psychology of Physical Education of Sports" metropolitan, New Delhi 1983.
Jack H. Liewellyn, Judy A. Bluckeve,, Psychology of Coaching Theory and application Surjeet
Publication, Delhi 1982.



#### SEMESTER III



Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# **HEALTH EDUCATION**

# UNIT I

10

Health Education: Meaning and Definition Concept and Principles of Health Education Health – Importance, Components Health Promoting Behaviours

# **UNIT II**

Meaning & definition of Personal Hygiene, Mental Hygiene & Sleep Hygiene Role of Personal Hygiene, Mental Hygiene & Sleep Hygiene Occupational Hygiene in physical education and sports Role of Different Agencies in Promoting Health (WHO, UNICEF, Local Bodies)

# **UNIT III: Natural Resources**

Meaning, Definition, role and uses of natural resources Water resources Food resources Land resources

# **UNIT IV: Environmental issues**

Definition, effects and control measures of: Air Pollution Water Pollution Soil Pollution Noise Pollution Thermal Pollution Management of environment and Govt. policies Role of pollution control board.

# SUGGESTED READINGS

Kamlesh ML (2005). Methods in Physical Education. Friends. Delhi.

Kamlesh ML (2005). Sharirik Shiksha Ki Vidiyan. Friends. Delhi.

Panday Laxmikant (1996), Sharririk Shiksha Ki Shiksha Padati. Metropolitan Book. New Delhi.

Shaw D and Kaushik S (2001). Lesson Palnning- Teachinh Methods and Classman in Physical Education. K.S.K. Delhi.

Shrivastava A.K. (2004). Shareerik Shiksha Khel Main Sangthan Avum Prashashan. Sports. New Delhi.

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Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# VOLLEYBALL & BASKETBALL

# UNIT-I

Introduction of Volleyball Origin, historical perspectives and modern trends in Volleyball Orientation of the fundamental skills Construction and maintenance of Volleyball court- rules of the game. Introduction of Volleyball Association of India (VFI) Introduction of International Volleyball Federation (FIVB)

#### UNIT-II

# **Coaching and Officiating in Volleyball**

Duties/responsibilities of a coach Qualifications and qualities of a coach Qualifications of an official Responsibilities of technical officials

# **UNIT-III**

### Introduction of Basketball

Origin, historical perspectives and modern trends in Basketball Orientation of the fundamental skills Construction and maintenance of Basketball court- rules of the game. Introduction of Basketball Association of India (BFI) Introduction of International Basketball Federation (FIBA)

# UNIT-IV

# **Coaching and Officiating in Basketball**

Duties/responsibilities of a coach Qualifications and qualities of a coach Qualifications of an official Responsibilities of technical officials





**BES-C303** Time allowed: 3Hrs

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# **TRACK AND FIELD (FIELD EVENTS)**

# Unit-I

5

Introduction to athletics (Field events) Throws Jumps

# Unit-II

Marking of various field events Throws (Shot put, Discuss & Javelin) Jumps (Long jump & High Jump)

# Unit-III

Techniques and training of the following events: Throwing events (Shot put, Discuss & Javelin) Jumping events (Long jump & High Jump)

#### Unit-IV

General rules Officiating (Field events),

#### SUGGESTED BOOKS

Barar T.S.(2004) Track and Field- Officiating Techniques friends publication New Delhi
Arora Monika(2005) Athletics Coaching Coaching Manual sports publication New Delhi
Chauhan VS (1999). Khel Jagat Mein Athletics. A.P. Pub, Jalandhar.
Gothi E (2004). Teaching & Coaching Athletics. Sport Pub., New Delhi.
Gupta R. (2004). Layout & Marking of Track & Field. Friends Publications. India. New Delhi.
Handbook-Rules and Regulation. International Athletic Federation (2010).
Thani Lokesh (1995). Skills and Tactics-Track Athletics. Sports Pub. Delhi.
Thani Y. (1991). Encyclopedia of Athletics. Gian Pub., Delhi.12
YMCA Rule book of games and sports

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# **HEALTH EDUCATION**

A scrape file on Health, hygiene and pollution Viva-voce

# **SEMESTER III**

PRACTICAL SEMESTER III

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# **VOLLEYBALL & BASKETBALL**

Demonstration of fundamental skills Game officiating A scrape file on Volleyball & Basketball Viva-voce

# **SEMESTER III**

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# **TRACK & FIELD (FIELD EVENTS)**

Skills of Shot Put & Long Jump Record File (history, rules, Technique & records) Viva-voce

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BES-C351 Passing marks-40

**BES-C352** Passing marks-40

**BES-C353** Passing marks-40

# SKILL ENHANCEMENT COURSE (SEC-1)

#### **SEMESTER III**

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-S301** Time allowed: 3Hrs

# HEALTH AWARENESS AND GENERAL FITNESS

### Unit- I

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Introduction of Health awareness Definition & Methods of fitness: Health club Aerobics Cycling Jogging Benefits of exercises on body fitness

#### Unit- II

Fitness potential for popular sports Fitness activities Role of parents for individual/ community Health.

#### Unit-III

Prevention and awareness of diseases through fitness. Diet description. Exercise description. Description in modern life style changes.

# **Unit-IV**

Weight management Role of exercises in Diabetes. Ageing and Physical exercise. Test, measurements & evaluation of fitness components agility, balance, speed & flexibility

#### **SUGGESTED BOOKS:**

Driskell JA and Wolinky I (2002). Nutritional Assessment of Athletes. CRC Press. Boca Raton. Fla. Greenberg JS Diutriman GB and Oakes BM (2004). Physical Fitness and Wellness: Changing the mway you ok, feel and perform. Human Kinetics. Champaign. IL. Hoeger WW & Hoeger S (2007). Fitness & Wellness. Thomson Wadsworth

all yes

# SEMESTER III

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# PHYSICAL GROWTH & DEVELOPMENT

# **Unit-I Introduction**

Meaning and definitions of growth and development. Difference between the process of growth and development. Factors affecting growth and development.

#### **Unit-II Physical growth**

Methods of studying physical growth-general pattern of growth in tissue and system. General differences in male and female pattern of growth and development. Individual differences.

#### **Unit-III Developmental growth**

Changes in physiological development in adolescent Distance and velocity curves of physical growth. Maturing pattern of growth and development.

### **Unit-IV Psychological growth**

Cognitive (mental) growth, emotional development, Psychological growth and development. Relationship between growth and emotional development.

# **Suggested Readings:**

Dagar R.K.S. (2007) Sharirik siksha mein samanya vigyan friends publication, New Delhi ICMR (1989). Growth and Physical Development of Indian Infants and Children. Indian Council of Medical Research. New Delhi.

Kansal DK (2008). Textbook of Applied Measurement Evaluation and Sports Selection. Sports and Spiritual Science Publications.

New Delhi 61

# **SEMESTER** IV

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# OFFICIATING AND COACHING Unit-I

Meaning and general principles of officiating Financial aspects of officiating. Legal aspects of officiating.

## Unit- II

Qualifications of an official. Qualities of an official. Duties of an official.

# Unit – III

Meaning & definition of ingredients of officiating. Rules of enforcement. Facilities, Arrangement and environment for officiating.

### Unit –IV

Relations of officials-Management Playe rs Ċoac hes Capta ins Spect ators Fans Pre game preparation of an official. During game preparation of an official. After game preparation of an official.



## SUGGESTED READINGS

Singh, Ajmer et.al. "Modern Text Book of Physical Education, Health and Sports", Kalyani Publishers, Ludhiana, 2000

Singh, Ajmer et.al. "Olympic Movement" Kalyani Publishers, Ludhiana,2000 Sharma,Vyas Dev. "introduction to physical and health education", avichal publishing company, new delhi.

Dagar, R.K.S. & Chauhan, S.K "Psycho-Historical bases of Physical Education" friends publications, New Delhi 2005.

Thomas R. Baechle and Roger W. Earle, (2000).

Singh MK (2008). Comprehensive Badminton (Scientific Training). Friends Publication.

BES-C401 Time allowed: 3Hrs

#### SEMESTER IV

#### **Sports Medicine**

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-C402** 

Time allowed: 3Hrs

#### **UNIT I – Introduction**

Meaning, definition and importance of Sports Medicine, Definition and Principles of therapeutic exercises. Coordination exercise, Balance training exercise, Strengthening exercise, Mobilization exercise, Gait training, Gym ball exercise Injuries: acute, sub-acute, chronic. Advantages and Disadvantages of PRICE, PRINCE therapy, Aquatic therapy.

# **UNIT II – Basic Rehabilitation**

Basic Rehabilitation: Strapping/Tapping: Definition, Principles Precautions Contraindications. Proprioceptive neuromuscular facilitation: Definition hold, relax, repeated contractions. Show reversal technique exercises. Isotonic, Isokinetic, isometric stretching.

Definition. Types of stretching, Advantages, dangers of stretching, Manual muscle grading.

#### **UNIT III – Spine Injuries and Exercise**

Head, Neck and Spine injuries: Causes, Presentational of Spinal anomalies, Flexion, Compression, Hyperextension, Rotation injuries. Spinal range of motion. Free hand exercises, stretching and strengthening exercise for head neck, spine. Supporting and aiding techniques and equipment for Head, Neck and Spine injuries.

# **UNIT IV – Upper Extremity Injuries and Exercise**

Upper Limb and Thorax Injuries: Shoulder: Sprain, Strain, Dislocation, and Strapping. Elbow: Sprain, Strain, Strapping. Wrist and Fingers: Sprain Strain, Strapping. Thorax, Rib fracture. Breathing exercises, Relaxation techniques, Free hand exercise, Stretching and strengthening exercise for shoulder, Elbow, Wrist and Hand. Supporting and aiding techniques and equipment for Upper Limb and Thorax Injuries.

### UNIT V – Lower Extremity Injuries and Exercise

Lower Limb and Abdomen Injuries: Hip: Adductor strain, Dislocation, Strapping. Knee: Sprain, Strain, Strain, Strapping. Ankle: Sprain, Strain, Strapping. Abdomen: Abdominal wall, Contusion, Abdominal muscle strain. Free exercises – Stretching and strengthening exercise for Hip, knee, ankle and Foot. Supporting and aiding techniques and equipment for Lower limb and Abdomen injures.

Practicals: Lab. Practicals and visit to Physiotherapy Centre to observe treatment procedure of sports injuries; data collection of sports injury incidences, Visit to TV Centre etc. should be planned internally.,

# **REFERENCES:**

Christopher M. Norris. (1993). Sports Injures Diagnosis and Management for Physiotherapists. East Kilbride: Thomson Litho Ltd.

James, A. Gould & George J. Davies. (1985). Physical Physical Therapy. Toronto: C.V.

25)

Mosby Company.

Morris B. Million (1984) Sports Injuries and Athletic Problem. New Delhi: Surjeet Publication. Pande. (1998). Sports Medicine. New delhi: Khel Shitya Kendra

The Encyclopedia of Sports Medicine. (1998). The Olympic Book of Sports Medicine, Australia: Tittel Blackwell Scientific publications.

Practical: Anthropometric Measurements,

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#### **SEMESTER** IV

**BES-C403** Time allowed: 3Hrs

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# **TEST, MEASUREMENT & EVALUATION IN PHYSICAL EDUCATION**

#### UNIT-I

Concept: Meaning and Definition of Test, Measurement & Evaluation in the field of physical education

Importance of Test, Measurement & Evaluation in the field of physical education Scope of Test, Measurement & Evaluation in the field of physical education Relationship between Test, Measurement & Evaluation in the field of physical education

#### UNIT – II

Concept: Meaning and Definition of General fitness Concept of Physical Fitness Components of physical fitness Introduction of Strength test: - Kraus Weber strength test

#### UNIT -III

Meaning and definition of Endurance Endurance Test, Harvard step test Millar wall volley badminton test Harbans hockey Test

#### **UNIT-IV**

Anthropometric Measurements: Weight Height Chest circumference Skin fold calliper introduction and uses.

#### SUGGESTED BOOKS

Kansal DK (2012). A practical approach to Measurement Evaluation in Physical Education & Sports selection. Sports & Spiritual Science Publications, New Delhi.

Miller David K (2006). Measurement by the Physical Educator: Why and How. Mcgraw-Hill. Boston, U.S.A.

Mishra Sharad Chandra (2005). Tests And Measurement in physical education. Sports. Delhi Sharma JP (2006). Test and measurements in physical education. khel sahitya. Delhi Srivastava AK (2006). Sharirik Shhiksha Evam Khel Main Maapan Evam Mullyakan. Sport pub. Delhi.

Chauhan S.K.C.(2007) Sharirik siksha me mapan avem mulyankan, Prerna Publication New Delhi





# PRACTICAL SEMESTER IV

**BES-C451** Passing marks-40

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# **OFFICIATING AND COACHING**

6

A scrape file related to officiating and coaching of any two games Viva-voce

# **SEMESTER** IV

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

**FOOTBALL & HOCKEY** 

Demonstration of skills A scrape file Viva-voce BES-C452 Passing marks-40

**BES-C453** 

Passing marks-40

20

# **SEMESTER** IV

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

TEST, MEASUREMENT & EVALUATION IN PHYSICAL EDUCATION

Harvard step test. Harbans Hockey Test & Kraus Weber test Record File Viva-voce

& Jon Snage Mer



# SKILL ENHANCEMENT COURSE (SEC-2)

# SEMESTER IV

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-S401** Time allowed: 3Hrs

# ADVENTURE SPORTS

# Unit – I

Introduction of Adventure Sports History of Adventure Sports Types of Adventure Sports

# Unit – II

Adventure Sports at global level Scope of Adventure Sports in India Need and Importance of Adventure Sports

# Unit – III

Role of Indian government in promotion of Adventure Sports Role of SAI in promotion of Adventure Sports Role of Associations and Federations in promotion of Adventure Sports Role of Uttarakhand Government for promoting Adventure Sports Role of Local Bodies for promoting Adventure Sports

#### Unit – IV

Equipments required for adventure sports Precautions during adventure sports First aid required for adventure sports Rehabilitation required for adventure sports

#### **Suggested Reading:**

Dougherty NJ et al (2002) Sport, Physical Activity and the Law. Sagamore Pub. Champaign. IL. Driskell JA and Wolinky I (2002). Nutritional Assessment of Athletes. CRC Press. Boca Raton. Fla. Greenberg JS Diutriman GB and Oakes BM (2004). Physical Fitness and Wellness: Changing the mway you ok, feel and perform. Human Kinetics. Champaign. IL.

Hoeger WW & Hoeger S (2007). Fitness & Wellness. Thomson Wadsworth

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### SEMESTER IV

BES-S402 Time allowed: 3Hrs

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# ORGANIZATION AND ADMINISTRATION

#### Unit-I

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Introduction, Meaning, Definition, Scope and importance of Organization and Administration. Introduction, Meaning, Definition and importance of Intra-mural and Extra-mural.

# Unit-II

Types of Organization and Administration Function of organization and administration. Principles of Organization and Administration.

#### Unit-III

Leadership in Physical Education and Sports: Meaning, Definition, Scope and importance; qualities and qualification of Physical Education Teachers.

#### Unit-IV

Reports and records; Meaning, Definition and essence of writing different reports. Records maintaining of Physical Education and Sports for future reference.

Tournaments/Competitions and types

Fixture, types of fixture and seeding.

### **References:**

Singh, Ajmer et.al. "Modern Text Book of Physical Education, Health and Sports", Kalyani Publishers, Ludhiana,2000

Singh, Ajmer et.al. "Olympic Movement" Kalyani Publishers, Ludhiana, 2000

Gangwar, B.R., Organisation Admn. & Methods of Physical education, Jalandhar: A.P. Pub., 1999. Sharma, V.D., Physical & Health Education, ND: Asha Prakashan, 1993.

Shaw, D & Kaushik, S: Lesson Planning: Technical Methods and Class Management, New Delhi: S.K., 2001.

Singh, M.K., Shareerik Shiksha Main Sangtan, Prashashan, Avum Parvakshan. N.D. Friends Pub., 2007.



#### SEMESTER V

# Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# **BES-S501**

Time allowed: 3Hrs

# **Bio Mechanics**

# UNIT- I

Meaning and Scope of Biomechanics in Physical Education Basic concepts of kinematics and kinetics Definition of terms: Distance, Displacement, Speed, Velocity, Acceleration, Mass and Weight. Newton's Laws of Motion and their application in sports

# UNIT-II

Lever: (a) Classification of Levers and Lever Arms

(b) Concept of Mechanical advantage

(c) Human body levers.

Force: (a) Definition and Effects of Forces.

(b) Properties of Force

(c) Internal and External Forces

(d) Centripetal and Centrifugal Forces

(e) Friction: Meaning, Coefficient of friction, factors effecting friction

# UNIT-III

Meaning of Centre of Gravity and Line of Centre of Gravity Meaning Equilibrium, types of equilibrium & principles of stability Meaning of Projectile, Characteristics of Projectile, Range of Projectile, Height of Projectile and Time of Projectile Buoyancy Force and Principle of Flotation

# UNIT-IV

Meaning of Spin, Types of Spin, Effect of Spin on angle of rebound and velocity, Magnus Effect (Beroulli's principle) Meaning of Work, Power and Energy

Mechanical Analysis of Gait Cycle Walking and Running

Mechanical Analysis of Long Jump (Takeoff and landing)

Mechanical Analysis Shot Put (Power Position and Delivery Phase) **REFRENCES** -

- Biomechanics of Sport and Exercise by Peter M. McGimis •
- Fundamentals of Biomechanics by Duane Knudson •
- Fundamentals of Biomechanics: Equilibrium, Motion and Deformation by Nihat Ozkaya, Dawn Leger, David • Goldsheyder, and Margareta Nordin
- Biomechanics and Motor Control of Human Movement by David A. Winter
- Introduction to Sports Biomechanics: Analysing Human Movement Patterns by Roger Bartlett

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# SEMESTER V



Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-S502** Time allowed: 3Hrs

## PERSONALITY DEVELOPMENT

#### **Unit-I Introduction**

Personality -meaning and definition. Introduction to acronym CAKE (Commitment to Application of Knowledge Existing) Components of Personality

#### **Unit-II Physical Personality**

Meaning, Definition and types of Personality. Principles of Developing Personality. Somato type and Personality. Meaning and Definition of Spiritual Personality.

#### **Unit-III Personality and Wellness**

Components of Wellness, Relation of Wellness and Personality. Behaviour Change Method. Physical Fitness-Components and Role in Physical Personality Development

# **Unit-IV Mental Personality**

Meaning and Definition of Mental Personality Type A, B & C Personality Characteristics Traits affective Personality and Its Development. Heredity and Environment in relation to Personality Development.

# SUGGESTED READINGS

Singh, Ajmer et.al. "Modern Text Book of Physical Education, Health and Sports", Kalyani Publishers, Ludhiana,2000

Singh, Ajmer et.al. "Olympidu, "Health and physical education", lakshmi publishing house,Rohtak,2011

Kansal, D.K. (2010). Holistic Personality Development. Sports and Spiritual Science Publications, New Delhi

Bernard N. (2001). Turn off the Fat Genes. Harmony Books, New York. U.S.A.

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Kamlesh M.L.(2002) psychology in physical education and sports, metropolitan book co. pvt. ltd, New Delhi





# DISCIPLINE SPECIFIC ELECTIVE (DSE-1A) SEMESTER V

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks BES-E501 Time allowed: 3Hrs

# CRICKET

#### **UNIT-I**

Origin & developmental aspects of Cricket at global level Development of Cricket in India Pre & post-independence Facilities & Equipment's

# UNIT-II

Marking of playground Measurements/ dimensions of Cricket apparatus Governing bodies at National & International level

# **UNIT-III**

Rules and Regulations Duties of Officials in respect of rules and regulations Recognized Tournaments at National & International level

# **UNIT-IV**

Defensive skills Offensive skills Sports skill tests Officiating in Cricket

# SUGGESTED BOOKS

Amarnath M. (1996). Learn to Play Good Cricket. UBS Publishers. New Delhi.
Bhalla Ajay (2001)cricket Kitab Ghar New Delhi
Cricket (2008). Sports Skills: Cricket Fielding (Know the Game). A & C Black Publishers.
Thani V. (1998). Coaching Cricket. Khel Sahitya Kendra. New Delhi.
YMCA rule book of games and sports
Pant N.C. (1996) Wills world cup cricket 1996 kitab ghar New Delhi



#### SEMESTER V

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# КНО-КНО

# UNIT-I

Origin & developmental aspects of Kho-kho at global level Development of Kho-Kho in India Modern trends and developments in Kho-Kho. Organization of KKFI.

# UNIT-II

Marking Measurements/ dimensions Selection of a team. Conduct of a camp.

# UNIT-III

Conduct of a tournament. Rules, regulations and their Interpretations Latest Rules Duties of Officials

# **UNIT-IV**

Warming up: - General & Specific Specific conditioning programme for Kho-Kho Basic skills- offensive & defensive. Classification of Techniques

# SUGGESTED BOOKS

Chakrabarty G (2002). Kho - Kho Aveloken. Khel Sahitya Kendra. Delhi. Panday L (1982). Kho - Kho Sarvaswa. Metropolitan





# DISCIPLINE SPECIFIC ELECTIVE PRACTICAL'S (DSE-1A)

# SEMESTER V PRACTICAL'S

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# CRICKET

Playing ability Skills of Cricket File Viva-voce

# SEMESTER V PRACTICAL'S

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

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Playing Ability Skills Ground measurement & preparation of Kho-kho court File Viva-voce BES-E552 Passing marks-40

**BES-E551** 

Passing marks-40





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# **DISCIPLINE SPECIFIC ELECTIVE (DSE-2A)**

# SEMESTER V

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# HANDBALL

# UNIT-I

Origin & developmental aspects of Handball at global level Development of Handball in India Modern trends and developments in Handball. Organization of Handball (Federation and Association).

# **UNIT-II**

Marking Measurements/ dimensions Selection of a team. Conduct of a camp.

# **UNIT-III**

Conduct of a tournament. Rules, regulations and their Interpretations Latest Rules Duties of Officials

#### **UNIT-IV**

Warming up: - General & Specific Specific conditioning programme for Handball Basic skills- offensive & defensive. Classification of Techniques

# SUGGESTED BOOKS

**BES-E503** Time allowed: 3Hrs



# SEMESTER V

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-E504** 'Time allowed: 3Hrs

# KABADDI

# UNIT-I

Origin & developmental aspects of Kabaddi at global level Development of Kabaddi in India Modern trends and developments in Kabaddi. Organization of Kabaddi.

# UNIT-II

Marking Measurements/ dimensions Selection of a team. Conduct of a camp.

# UNIT-III

Conduct of a tournament. Rules, regulations and their Interpretations Latest Rules Duties of Officials

# **UNIT-IV**

Warming up: - General & Specific Specific conditioning programme for Kabaddi Basic skills- offensive & defensive. Classification of Techniques

# SUGGESTED BOOKS



# DISCIPLINE SPECIFIC ELECTIVE PRACTICAL'S (DSE-2A)

# SEMESTER V PRACTICAL'S

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# HANDBALL

Playing Ability Skills Ground measurement & preparation of Handball court File Viva-voce

# SEMESTER V

# PRACTICAL'S

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Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

KABADDI

Playing Ability Skills Ground measurement & preparation of Kabaddi court File Viva-voce **BES-E554** Passing marks-40

**BES-E553** Passing marks-40



# GENERIC ELECTIVE (GE-1) SEMESTER V

# **\*OPT ANY ONE FROM THE LIST OF GENERIC ELECTIVE AS DEVISED BY DEPARTMENT OF YOGIC SCIENCES AND HUMAN CONSCIOUSNESS**

# SKILL ENHANCEMENT COURSE (SEC-4)

# SEMESTER VI

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks BES-S601 Time allowed: 3Hrs

# **SPORTS & EXERCISE NUTRITION**

## Unit – I

Meaning and Definition of Sports Nutrition Basic Nutrition guidelines Role of nutrition in sports

## Unit – II

Carbohydrates, Protein, Fat – Meaning, classification and its function Role of carbohydrates, Fat and protein during exercise Nutrition – Daily calorie intake and expenditure, Determination of desirable body weight

#### Unit – III

Vitamins, Minerals, Water – Meaning and classification Vitamins, Minerals, Water – Role and function Role of hydration during exercise, water balance

#### Unit – IV

Meaning of weight management Factor affecting weight management and values of weight management Concept of BMI (Body mass index) Obesity – Definition, meaning and types of obesity Obesity and its hazard

#### **Essential Reading :-**

Practical Applications in Sports Nutrition Finic HH et al (2006), J & B Publisher, USA. Handbook of Sports Nutrition, Lal PR (2009) Friends Publication.

#### SUGGESTED READINGS

Antoni, J. et al, Editors (2008). Essentials of Sports Nutrition and Supplements. Humana Press, USA.
Benardot, D. (2005). Advanced Sports Nutrition. Human Kinetics, USA.
Brown Judith E (2002). Nutrition Now. Canada Pub. Peter Marshal
Caliendo Mang Alica (1981). Nutrition and Preventive Health Care Mcemillin Publication Co.
Clark, N. (2008). Sports Nutrition. 4th Ed. Human Kinetics, USA.
Eberle, S.G. (2007). Endurance Sports Nutrition. Human Kinetics, USA.



# SEMESTER VI

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-S602** Time allowed: 3Hrs

# ATHLETIC CARE AND REHABILITATION OF SPORTS INJURIES

# Unit-I:

Posture – Concept, Significance & Benefits Bad Posture (Sitting, Standing, Walking, Lying down) Effects of Bad Posture on Our Body

#### Unit-II:

Postural Deformities – Types and Causes (Kyphosis, Scoliosis, Lordosis, Knock Knees, Bow Legs, Flat Foot) Corrective Exercises for Postural Deformities Illnesses due to Improper Posture (Back Pain, Neck Pain) Corrective Exercises for Improper Posture. Meaning & Definition of Sports Injuries

# Unit-III:

General Principles of Prevention of sports Injuries Sports Medicine and Athletic Care - Concept and Significance, Factors causing Injuries Introduction of Common Sports Injuries (Strain, Sprain in Muscle and Ligament, Shin Pain, Contusion, Abrasion, Fracture & Dislocation) Management of Injuries

#### **Unit-IV**

Sports Injuries and First Aid (P.R.I.C.E.) Rehabilitation - Aim and Objective, Recovery Introduction of Therapeutic Modalities Muscle Strengthening through Active and Passive Exercise

# SUGGESTED READINGS

ACSM's Guidelines for Exercise Testing and Prescription (2001), American College of Sports Medicine, New York, U.S.A. Anspaugh, D.J., G. Ezell and K.N. Goodman (2006) Teaching Today Health, Mosby Publishers, Chicago (USA Beotra, Alka (2001-02) Drug Education Handbook on Drug Abuse in Sports, Applied Nutrition Sciences, Mumbai.





# DISCIPLINE SPECIFIC ELECTIVE (DSE-1B)

# Semester VI

**BES-E601** Time allowed: 3Hrs

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# SAFETY EDUCATION

# Unit 1

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**Safety Education:** Introduction, Meaning & definition of Safety Education, Aims & Objectives of Safety Education Significance of Safety Education in Physical Education & Sports

# Unit 2

Components of Safety for Health, Wealth & Physical Fitness Safety on and off the field Role of Coach Role of Officials

# Unit-3

Safety equipments for indoor games Precautions & handling of equipments General instructions for safety during indoor games Surface area while playing

#### Unit 4

Safety equipments for outdoor games Precautions & handling of equipments General instructions for safety during outdoor games Surface area while playing

# **BOOKS RECOMMENDED**

3



# SEMESTER VI

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks **BES-E602** Time allowed: 3Hrs

# WATER SPORTS

Unit – I Introduction of Water Sports History of Water Sports Types of Water Sports

# Unit – II

Scope of Water Sports in India Need and Importance of Water Sports List of Equipment's used in Various Water Sports Purchase and Care of Equipment's used in Water Sports

# Unit – III

Introduction of Kayaking and Kenoying Equipment's and It's availability Training of handling equipment's Competitions and role of Federation/ Indian Government

# Unit – IV

Introduction of Water Surf, Sailing and Power Boats Equipment's and It's availability Training of handling equipment's Competitions and role of Federation/ Indian Government

### **Suggested Books:**

Aamidor A (2003).Real Sports Reporting. Indiana University Press.Valparaiso. Indiana. U.S.A.
Ahuja, B.N (1988) Theory and Practice of Journalism. Surject Delhi.
Andrews P (2005). Sports Journalism: A Practical Introduction. Sage Publications Ltd. Delhi.
Boyle R (2006). Sports Journalism: Context and Issues. Sage Publications Ltd.
Kamath, M V (1980). Professional Journalism. K.S.K. New Delhi





# **DISCIPLINE SPECIFIC ELECTIVE PRACTICAL (DSE-1B)**

# PRACTICAL SEMESTER VI

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# SAFETY EDUCATION

A Scrape file Viva-voce

# PRACTICAL SEMESTER VI

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

# WATER SPORTS

A Scrape file on Water Sports Viva-voce

**BES-E651** Passing marks-40

**BES-E652** 

Passing marks-40

# **DISCIPLINE SPECIFIC ELECTIVE (DSE-2B)**

# SEMESTER VI

Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks

# JUDO

# UNIT-I

Origin, historical perspectives Development of Judo in India Development of Judo at International level. Modern trends of Judo at National and International level.

# **UNIT-II**

Structure and function of Judo Federation of India (JFI). International Judo Federation (IJF). Fundamentals of Judo

# **UNIT-III**

Rules and regulations Latest changes Developments in rules and Regulations Techniques of officiating. Technical preparation and grading system.

# **UNIT-IV**

Competition area. Equipments. Qualifications, qualities and responsibilities of a coach. Qualifications and responsibilities of technical officials, judges. Warming-up, cooling-down Basic skills.

# SUGGESTED READINGS

Diago, T. (2005). Kodokan Judo Throwing Techniques. Kodansha International Publishers, Japan. Harrison EJ (2002). Coaching Successfully Judo. Sports. Delhi. Jain D (2003). Play and Learn Judo. Khel Sahitaya Kendra. New Delhi. Law, M. (2009). Falling Hard : A Journey into the World of Judo. Trumpeter Publisher, Japan. Takahashi, M. (2005). Mastering Judo. Human Kinetics, USA

Mary

BES-E603 Time allowed: 3Hrs



Max. Marks =100 Theory = 70 Marks + Internal Assessment = 30 Marks B--E604

T== allowed: 3Hrs

# **TABLE-TENNIS**

# Unit-1

Historical background of Table-Tennis. Historical background of Table-Tennis Origin and development Equipment's

# Unit-2

Measurements/ dimensions Governing bodies at National and International level Rules and Regulations

# Unit-3

Rules and Regulations Cards and punishments Duties of Officials in respect of rules and regulations Recognized Competitions at National & International level

Engel

#### Unit-4

Defensive skills Offensive skills Sports skill tests Officiating in Table- Tennis

# SUGGESTED BOOKS



# DISCIPLINE SPECIFIC ELECTIVE PRACTICAL (DSE-2B)

# SEMESTER VI PRACTICAL

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks BES-E653 Passing marks-40

**BES-E654** 

Passing marks-40

# JUDO

PRACTICAL Skills Measurement and marking. A scrape File Viva-voce

# PRACTICAL SEMESTER VI

Max. Marks -100 70 Marks + Internal Assessment = 30 Marks

**TABLE-TENNIS** 

Playing Ability Skills Measurement of Table-tennis Table. File<sup>´</sup> Viva-voce

Sugar

# GENERIC ELECTIVE (GE-2) SEMESTER VI

**\*OPT ANY ONE FROM THE LIST OF GENERIC ELECTIVE AS DEVISED BY DEPARTMENT OF YOGIC SCIENCES AND HUMAN CONSCIOUSNESS** 

3-2-1