

Name of the Program	Bachelor o	f Physioth	erapy	Iy	vear/ II sem	
Course Name	Human Anatomy-I	Course BPT 201/ Code: BPP 201 Type		Туре:	Th	neory/Practical
Credits		05		Total Sessions Hours:	75	Hours
Evaluation Spread	Internal Continuous Assessment:	30 Marks		End Term Exam:	70 I	Marks
Type of Course	Compulsory	✓ C		Creative		Skill
Course Objectives	brain & its application	on in practi	ce of physiother			
attributes:	omes (CO): After the	successful o	course completi	on, learners will deve	lop followi	ng
Course Outcome (CO)			Att	ributes		
CO1	practice of physiothe	rapy.		l anatomy of the lower		••
CO2				rtebrae, muscle attach		
CO3	To understand about	the Head a	and Neck & its a	application in practice	of physiot	herapy.
CO4	To understand about	the Neuro	Anatomy and it	s application in practi	ce of phys	iotherapy
CO5	To understand the su application in practic		•	tomy of Trunk , Pelvis	s , Head, N	leck & its
Pedagogy	Interactive, discussion			presentation.		
Internal Evaluation Mode	Mid-term Examinati Class test: 12 Marks Class participation of Assignments/Project Attendance: 04 Mark Class Presentation: 0 Bed Side behavior of	s r any other : 04 Marks ss 04 Marks	: 04 Marks	Marks		
Session Details		Topic			Hours	Mapped CO
Unit 1	side determination Muscles of front, basupply and action. 3 insertion, nerve supanterior, posterior are nerve supply and action, insertion, neextremity: Hip girdles	cia and Muscles of eg: origin, insertion, les of soles of foot:	20	CO1		

Unit 2	1.Osteology:- cervical, thoracic, lumbar, sacral and coccygeal, vertebrae, ribs 2.Soft tissue:- pre and para vertebral muscles, anterior abdominal wall muscles, intervertebral disc. 3.Applied anatomy:- injury related to fracture, bony deformities, nerve entrapment, spinal cord injury	05	CO2
Unit 3	1 Overview of different aspect of cranium 2 Scalp and muscles of facial expression, Layers of scalp, nerve and blood supply 3 Muscles of mastication, their origin, insertion action and nerve supply 4 Layers of deep cervical fascia, extent and attachment of investing layer, Sternocleidomastoid, digastric and strap muscles of neck. 5 Triangles of neck: Subdivision of anterior and posterior triangle and their contents. 6 Common carotid & external carotid artery & Internal Jugular vein. 7 Joints: Details of temporomandibular joint, atlantoaxial and atlanto-occipital joint.	20	CO3
Unit 4	1 General organization of C.N.S and brief outline of CNS structures, Blood supply of brain 2 Cranial nerves -Peripheral nervous system, Autonomic Nervous System -Sensory system 3 Neuro-muscular junction, Neuro-muscular integration 4 Important ascending and descending tracts. Cranial nerves 5 Brief account of visual and auditory path way 6 CSF – Formation, absorption and circulation in the ventricular system.	10	CO4
Unit 5	Surface and radiological anatomy of following:- musculoskeletal system, soft tissues and bones relevant to head, neck, thorax, abdomen, limbs and pelvis.	05	CO5

CO-PO and PSO Mapping

00 - 0	9 44214 2 2 0 1 1 2 0	-FF8								
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	1	1	1	-	-	-	-	-	-
CO2	3	-	-	1	-	1		1		1
CO3	2	2	2	-	1	-	2	-	-	-
CO4	3	2	2	1	-	1	-	1	-	-
CO5	3	2	2	1	-	1	-	1	-	-

Strongcontribution-3, Averagecontribution-2, Lowcontribution-1,

Suggested Readings:

Reference Books1.B.D. Chaurasia's, Human Anatomy-Volume 1, 2, 3 CBS Publishers & Distributors.
2 Inderbir Singh, Textbook of Anatomy with Colour Atlas-Vol. 1, 2,
3 Jaynee Brothers. 3 Snell-Clinical Anatomy by regions —Lippincott
4 Basic Anatomy & Physiology by Smout and McDowell
5. Cunningham Manual of Practical Anatomy Vol. I, II, III,
6 Williams & Warwick, Gray's Anatomy-Churchill Livingstone.

e-Learning Source:

- 1. https://youtu.be/X5RUFXZZBH4
- 2. https://youtu.be/060 XNKwuOE
- 3. https://youtu.be/4Sab-2E4ZDI

Recapitulation & Examination Pattern

Internal Continuous Assessment:

internal Continuous Assessment.								
Component	Marks	Pattern						
Class Test	12	Contains 01 long question. question carries 04 Marks.						
		02 Short questions. Each question carries 02 Marks						
		04 multiple choice questions. Each question carries 01 Marks						
Class participation or any	04	This to be made on activities and instruction given by subject teacher.						
other								
Marks Assignments/Project:	04	Assignment to be made on topics and instruction given by subject teacher						
Class Presentation:	04	This to be made on topics and instruction given by subject teacher						

Bed Side behavior or Interaction in Class	02	This to be made on activities and instruction given by subject teacher.
Attendance	04	As per policy
Total Marks	30	



Name of the Program	Bachelor	of Physioth	nerapy	Year/Semest	er	I year/II sem
Course Name	Human Physiology II	Course Code:	BPT 202/ BPP 202	Туре	Th	neory/Practical
Credits	5			Total Session Hours	ns	75 Hours
Evaluation Spread	Internal Continuou Assessment:	s	30 Marks	End Term Exa	am	70 Marks
Type of Course	Compulsory		✓ Core	Creative		Life Skill
Course Objectives		strate know	vledge in human p	•		iology and will be the study and
Course Outcomes: (CO)	After the successful co	ourse comp	letion ,learners w	ill develop follow	ing attri	butes:
CO1	Demonstrate in deptl & function of differ abnormal Physiolog	rent juices,	movements, dig	gestion & absorp		
CO2	Understand the ph physiotherapy.	ysiology (of excretory sy	stem and its	applicati	on in practice of
CO3	Understand male as contraception, pregna					
CO4	To understand about	Endocrine	system & its appl	ication in practic	e of phys	siotherapy.
Pedagogy	Interactive, discussio	n-based, st	udent-centered, p	resentation.		
Internal Evaluation Mode	Mid-term Examination Class test: 12 Marks Class participation of Attendance: 04 Mark Class Presentation: 0 Bed Side behavior or	any other ss	: 04 Marks Assig	nments/Project: 0	4 Marks	
Session Details		To	pic		Hours	Mapped CO
Unit 1	1.Digestive system Introduction: physic	ological an	natomy and nerv	ve supply of	20	CO1

Strong contribution Suggested Readi		2 verage co	- ntribution-2,	Low contribu	1 ution-1,	-	2	-	-	-
			-	-		-	2	-	-	-
CO4	3	2.			1		/.			
	3	2	-		•	-	-			
CO3	3	2	-	-	1	-	2	-	-	-
CO2	3	- 2	-	-	1	-	2	-	-	-
CO1	3			10.	1		2			1 310
CO-PO and PS	O Mappi PO1	ing PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P010
CO DO 150	10 N# 1	•								
4. Endocrine system Introduction: Major endocrine glands , Hormones: classification, mechanism of action, functions of hormone Releasing hormones from hypothalamus , Anterior & Posterior pituitary hormones – physiological actions, regulation & disorders Thyroid Hormones, Parathyroid Hormones – physiological actions, regulation & disorders, Pancreatic hormones, Adrenal cortex & medulla—physiological actions, regulation& disorders, calcitriol, thymus and pineal gland, Relevant applied physiology					none terior & actions, arathyroid disorders, medulla— calcitriol,	20	C	O4		
Unit 3		Physic Physic Functi Pubert Physic	le and female slogy of ovary slogy of menstron on of progeste y and menopal slogical change	and testies rual cycle a rone, estrog use es during pr	nd spermagen and tes	20	C	O3		
Unit 2		2. Renal system General introduction, structure and functions of kidney, Formation of urine- filtration, reabsorption and secretion, Physiology of micturition, Renal circulation, Plasma clearance test, Neurogenic bladder, Automatic bladder, Relevant applied physiology							CO)2
		circula Comp HCL liver f	tary canal, Cation sosition, secrete secretion, par function, Digestrallowing reflections							

Reference Books	 Concise Medical Physiology by Chaudhuri, 4th Edition; New Central Book Agency. Human Physiology, Sembulingam; 4th ed, Jaypee Brothers. A Textbook of Practical Physiology, Ghai C L, Jaypee Brothers. Practical physiology by Vijaya Joshi; Vora Medical Publication. Human Physiology, Chatterjee. Vol: 1&2; 10th Edition; Medical & Allied Agency Textbook of Medical Physiology by Guyton & Hall, 11th Edition; Elsevier Publication Samson Wright's Applied Physiology 13ed, Keele CA,Neil E & Joels N, Oxford Medical Pub. Principles of Anatomy & Physiology, Tortora, 8th Edition; Harper & Row Publication. Textbook of Physiology: Ganong
Para Text	 https://youtu.be/_jagVY0XMVk?si=LBgVS3Tc1M35pqBM https://youtu.be/cXPuW6ZwcFE?si=jAfREahTvggTVWmJ https://youtu.be/vLdNX5Te1Xo?si=QQC8bNsYDwmXRlUs

Recapitulation & Examination Pattern

Internal Continuous Assessment:	Internal Continuous Assessment:									
Component	Marks	Pattern								
Class test	12	Contains 01 long question. Question carries 04 Marks.								
		02 Short questions. Each question carries 02 Marks								
		04 multiple choice questions. Each question carries 01 Marks								
Class participation or any other	04	This to be made on activities and instruction given by subject teacher.								
Marks Assignments/Project:	04	Assignment to be made on topics and instruction given by subject teacher								
Class Presentation:	04	This to be made on topics and instruction given by subject teacher								
Bed Side behavior or Interaction in Class	02	This to be made on activities and instruction given by subject teacher.								
Attendance	04	As per policy								
Total Marks	30									



Name of the Program	Bachelor of Physiot		rse Outime: 2024	Year/Semester:		I year/II sem
Course Name	Basic Exercise & Yoga	Course Code:	BPT 203/ BPP 302	Type:		Theory & Practical
Credits	0	04		Total Sessions H	lours:	60 Hours
Evaluation Spread	Internal Continue Assessment:	ous	30 Marks	End Term Exam	ı:	70Marks
Type of Course	Compulsory		✓ Core	Creative		Life Skill
Course Objectives	therapy and your 2. To understand	oga. I the fundame	ental principles of e	students with an in xercise therapy and erent exercises & yo	yoga.	owledge of exercise
CourseOutcomes	(CO):Afterthesuccessfi	ulcoursecom	pletion,learnerswil	ldevelopfollowingat	ttributes:	
CO1	Describe the term	s and basic 1	principles and anato	omical movements i	in exercise	e therapy.
CO2	Explain the therap	peutic exerci	ises and effects of e	exercise therapy.		
CO3	Explain the physi	ological and	therapeutic effects	of exercise therapy	techniqu	es.
CO4	Describe the anci	ent and mod	ern historical persp	ectives of yoga and	meditatio	on.
CO5	Demonstrate the on patients.	effective exe	ercise therapeutic sk	tills and yogas with	strong the	eoretical knowledge
Pedagogy		ssion-based,	student-centered, p	presentation.		
Internal Evaluation Mode		noranyother: arks 1:04	04Marks Assignme	ents/Project:		
Session Details			Торіс		Hours	Mapped CO
Unit1	Lever, Planes and a Motion: Translator Anatomical mover	ercise therapy: ise therapy: axes ry, rotatory ment	y COG, LOG, BOS, ormal ROM for all	•	10	CO1

	Range of muscle work and muscle action		
	Kinematic chain		
	Types of muscle work		
Unit2	Introduction to Therapeutic Exercises	05	CO2
	Therapeutic Exercises: Definition and types of therapeutic exercises interventions. Components of physical function: Balance, cardio-pulmonary fitness, coordination, flexibility, mobility, muscle performance, neuromuscular control, postural control, stability.		
Unit3	Techniques of Exercise Therapy	10	CO3
	Starting positions: Fundamental positions and derived positions. Goniometry: Definition, types, procedures, uses, techniques for measurement of ROM for all peripheral joints. Manual Muscle testing [MMT]: Overview, types, principles, indications and contra-indications		
Unit4	Introduction to Yoga Introduction to yoga: History and development of yoga Types of yoga and stream Introduction of meditation and its types Stress management through yoga [Meditation, Asanas, Pranayams]	10	CO4
Unit5	Concepts Concept of body in yoga [Pancha Kosha Theory] Concept of health and disease in yoga: prevention and promotion of positive health through yoga. Definition and physiological effects of Shatkriyas: Asanas, pranayamas, relaxation techniques, meditation.		CO5
Practical	Assessment procedures & techniques of exercises with patients positioning & approaches. Anatomical movements Goniometry Overview of manual muscle testing Different asanas & pranayamas & meditation Different Shatkriyas: Asanas, pranayamas, relaxtion techniques & meditation	15	

CO-PO and PSO Mapping													
СО	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	3	3	-	-	-	-	1	-	-	3			
CO2	3	3	-	-	-	-	2	-	1	3			
CO3	3	3	3	-	2	2	3	2	1	3			
CO4	3	3	3	2	1	2	3	2	1	3			
CO5	3	3	3	2	1	2	3	2	1	3			
Strongcontribution-	3,	Averageco	ntribution-2,	Lowc	ontribution-1,								

Reference Books	Therapeutic exercise by Carolyn Kisner
	2. Principles of exercise therapy by M. Dena Gardiner.

Para Text 1. https://youtu.be/cCA3BhL4tko?si=LUWso6vtOrmnP5d-

- 2. https://youtu.be/_dcQW2L_i64?si=bMdgxtlzEEAVGKY_ 3. https://youtu.be/RmJJ4T_FG5M?si=apktimCv61cGIq7i
- 4. https://youtu.be/y9RyLI1obFE?si=WQmpAJjP8IzqDXUD
- 5. https://youtu.be/aIIEI33EUqI?si=Bvtu8v6_FN-nc_Mb

Recapitulation & Examination Pattern

Internal Continuous Assessment:

Component	Marks	Pattern
Class test	12	Contains 01 long question. question carries 04 Marks. 02
		Short questions. Each question carries 02Marks
		04multiple choicequestions. Eachquestioncarries 01 Marks
Class participation or any other	04	This to be made on activities and instruction given by subject teacher.
Marks Assignments/Project:	04	Assignment to be made on topics and instruction given by subject teacher
Class Presentation:	04	This to be made on topics and instruction given by subject teacher
Bed-Side behavior or Interaction in Class	02	This to be made on activities and instruction given by subject teacher.
Ciass		
Attendance	04	As per policy
Total Marks	30	



Name of the		BPT		Year/Semester:	T / TT		
Program		DI 1		Teat/Selliester.	I year/ II sem		
Course	BASIC	Course	BPT 204/	Type:	Theory &		
Name	BIOMECHANICS		BPP 204		Practical		
G W		0.4		The state of the s	60 TT		
Credits		04		Total Sessions Hours:	60 Hours		
Evaluation Spread	Internal & Continuous Assessment	30 M	Iarks	End Term Exam:	70 Marks		
Type of Course	C Compulsory	Core		C Creative	C Life Skill		
Course Outcom	 Understand the principles and concepts of biomechanics to analyze human movement and function. Apply biomechanical principles to enhance performance, prevent injury, and optimize rehabilitation strategies Comprehend the structural composition and functional properties of joints, including the roles of connective tissues, specific joint structures, and their motion Understand the anatomical and physiological aspects of muscles, including their structure, function, and adaptations in response to factors such as immobilization, injury, aging, and exercise Understand the biomechanics of specific anatomical regions, such as the thorax and temporomandibular joint, including their structural components, functions, and common impairments 						
Course Outcome (CO)			Attribut	es			
CO1	Ability to identify such as force vector			cal factors influencing pullibrium	human movement,		
CO2		rium, lever	s and pulley	fundamental concepts vs, enabling analysis a			
CO3	Gain insight into properties and con	elasticity p figurations	orinciples, income of springs for	luding Hooke's Law, a r various applications			
CO4	responses to cor rehabilitation plan	nditions lil ning	ke disease,	nd muscle structures, for injury, and aging, ai	ding in effective		
CO5	· · · · · · · · · · · · · · · · · · ·	•		nical principles underlorax and temporomandi	• •		

Pedagogy	Interactive, discussion-bases, student-centered, presentation.						
Internal	Mid-term Examination: 12 Marks						
Evaluation	Class test: 05 Marks						
Mode	Online Test/Objective Test: 05 Marks						
	Assignments/Presentation: 05 Marks						
g •	Attendance: 05 Marks	TT	3.6				
Session Details	Topic	Hours	Mapped CO				
Unit1	 Foundational Concepts of Biomechanics Mechanics - Definition of : - Biomechanics ; Kinetics & Kinematics ; Anatomic Pulleys, Action Lines, Moment Arm, Total Muscle force Vector, Identification of Joint Axis Motion - Definition, Types of Motion, Plane and Axis of Motion, Location, Direction & Magnitude of Displacement Force - Definition, Force Vectors, Shear & Friction Forces, Concurrent Force System, Parallel Force System 	10	CO1 & CO2				
Unit2	 Gravity – Equilibrium & its types, Equilibrium in static & dynamic state, Supporting base, Force of Gravity, Centre of Mass of Human Body, Centre of Mass, Line of Gravity & Stability, Alteration in Mass of an Object or Segment. Levers - Definition, Classification and Application of Levers. Pulleys – System of pulleys, types & application, 	5	CO2				
Unit 3	 Elasticity – Definition, stress, strain, HOOKE'S Law. Springs – Properties of springs, Springs in series & parallel, Elastic material in use 	5	CO3				
Unit 4	 Joint Structures and Functions Joint design, General Properties of Connective Tissue, Properties of Specific Tissues, Joint Function, Joint Motion, General changes with Disease, Injury, Immobilization, Exercise, Overuse. Muscle Structure and Functions Elements of Muscle structure, Muscle Function, Effect of Immobilization, Injury & Aging 	10	CO4				
Unit 5	 Biomechanics of Thorax & Chest Wall General structure & function, Rib cage & muscles associated with the rib cage, Ventilatory Motions: Its coordination & Integration, Developmental Aspects of Structure & Function, Changes in normal structure & Function. Biomechanics of Temporomandibular Joint Joint Structure, Joint Function, Common impairments & Pathologies 	15	CO5				
PRACTICALS	 Analysis of Joint movements in Planes & Axis Identification of CoG, LoG, BoS & their Effects 	1	5 Hrs.				

COD	CO-POMapping										
			DO1	DO4	DO5	DO(DO#	DO0	DO0	DO10	
CO CO1	PO1 3	PO2	PO3	PO4	PO5 2	PO6	PO7 2	PO8	PO9	PO10	
CO2	3	3	_	1	2	-	2	-	-	1	
CO3	3	3	_	1	2	_	2	_	_	1	
CO4	3	3	_	1	2	_	2	_	-	1	
CO5	3	3	-	1 2 - 2							
	ontribution-		Averagecont	ribution-2,	Lowcont	ribution-1,		•	•	•	
Sugge	Suggested Readings:										
Text-l		 Basic Biomechanics Explained - Low & Reed – Butterworth Heinmann Basic Biomechanics. Nordins 								orkins	
	1. Kinesiology: Applied to Pathological Motion - Soderberg Lippincott 2. Basic Biomechanics & clinical Kinesiology. Otis 3. Biomechanics of Human Movement. D Winter										
rara	Text	2. <u>1</u> 3. <u>1</u> 4. <u>1</u>	nttps://yo nttps://yo Dw12Fsy nttps://yo	https://youtu.be/-zP5YTnKk_g https://youtu.be/aG3136DpLv4 https://youtu.be/_qnQC34uq8c?list=PLS-ocxImwSG_VODKg- hw12FsyGfDC9cnz https://youtu.be/EfbqbpS7j9g https://youtu.be/xx7gwY6fRUM							
	•		nationPa								
		nuousAss	sessment:								
Component Marks Class test 12				Con 02 s	Pattern Contains 01 long queation. question carries 04 marks 02 short questions. each question carries 02 marks 04 multiple choice questions. each question carries 01 marks						
other		tion or an		teac	her		ties and ins		•		
Marks	s assignm	ents/proje	ect 04	Ass: teac	C	be made o	n topics and	d instruction	on given b	y subject	
Class pre	esentation		04	This	s to be made	de on topics	s and instruc	ction give	n by subject	ct teacher	
	ide behav	ior or	02				ivities and i		•		
	ction in c		02	teac		iauc on acti	ivities allu I	nsuucuon	given by	subject	

Class presentation	04	This to be made on topics and instruction given by subject teacher
Bed side behavior or	02	This is to be made on activities and instruction given by subject
interaction in class		teacher
attendance	04	As per policy
Total marks	30	



	Type: Total Sessions Hours: End Term Exam:	BPT 205/ BPP 205	Course Code:	COMPUTER INFORMATICS	Program Course Name		
Practical 60 Hours 70Marks C Life Skill inputer hardware,	Total Sessions Hours:	BPP 205	Code:				
60 Hours 70Marks C Life Skill mputer hardware,	Hours:				Manic		
70Marks C Life Skill mputer hardware,	Hours:	arks	04				
C Life Skill nputer hardware,	End Term Exam:	arks			Credits		
nputer hardware,			30 M	Internal&	Evaluation		
nputer hardware,				Continuous	Spread		
nputer hardware,				Assessment	T. 0		
	C Creative		Core	C Compulsory	Type of Course		
	nental concepts of con	to fundam	e students	1. To introduce	Course		
	ing using MS-Word.	ord process	tems, and w	operating sys	Objectives		
•	cel spreadsheet software	basics of Ex	dents to the	2. Introduce stu			
ging presentations	als of creating and mana	fundamenta	dents to the	3. Introduce stu			
			Point	using PowerF			
informatics, and	al record keeping, healtl	g of medica	ınderstandir	4. Provide an u			
	cal settings	uters in clini	ons of comp	the application			
ent care	nerapy for improved patie	I in physioth	otics and A	5. Introduce rob			
following	ion, learners will develop	rse completi	ccessful cou	es (CO):After the suc			
	tes	Attribu			Course Outcome(CO)		
creation editing	Enable students to proficiently use MS- Word for document creation, editing,						
creation, carring,		•	•	formatting and ad	601		
nt data in Excel	save, format, and prin				CO2		
	ze graphs for data visual				002		
	eate, manipulate, form				CO3		
	•			• •	603		
des for effective	1600, und graphs to sh	is text, illi	addii	communication			
ectronics and the	l equipment medical al	lge of digita	ith knowled		CO4		
		-					
in and neartheare	caicai iccord manageme	opuniaze in	iniology to	delivery			
hair applications in	icas and platforms and t	anabled day	nte swith AT		COS		
nen applications in	learning frameworks				003		
	learning frameworks	nough deep	ii iiierapy ii	emancing physica			
	ed, presentation.	udent-center	on-bases, st	Interactive, discussion	Pedagogy		
	Interactive, discussion-bases, student-centered, presentation. Mid-term Examination: 30 Marks						
	Mid-term Examination: 30 Marks Class test: 12 Marks						
		or any other	Class participation of	Mode			
			•				
			•	Marks Assignments	1		
			/Project: 04	Marks			
			/Project: 04 ks				
ent care ofollowing creation, editing nt data in Exce	CO1 CO2 CO3 CO4 CO5 Pedagogy Internal Evaluation						

Sessio Detai					Topic				Hours	Mapped CO
Unit1		j	systems, compone inserting and form checking,	ion to continuous introduct ints of a work files, edit that interpretable, many continuous continuo	ion to ord windo ing a doo text, say the docu	tion, and tting spell	10	CO1		
Unit2			Introduction to excel: introduction, about worksheet, entering information, saving work books and formatting, printing the worksheet, creating graphs.							CO2
Unit 3]	Introduction to power point: introduction, creating and manipulating presentation, views, formatting and enhancing text, slide with graphs.						10	CO3
Unit 4			Medical record keeping and health informatics.							CO4
Unit 5]	Robotics in physiotherapy. Artificial intelligence in physical therapy: what is artificial							CO5
CO-PO) Маррі	ng								
СО	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	-	-	-	-	3	2	-	-	-	-
CO2	-	-	-	-	3	2	-	-	-	-
CO3	-	-	-	-	3	2	-	-	-	-
CO4	-	-	-	_	3	2	-	_	-	_

CO-PO) Mappi	ing								
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	-	-	-	-	3	2	-	-	-	-
CO2	-	-	-	-	3	2	-	-	-	-
CO3	-	-	-	-	3	2	-	-	-	-
CO4	-	-	-	-	3	2	-	-	-	-
CO5	2	-	2	3	3	2	2	2	2	2
Strongcontribution-3. Averagecontribution-2.				ribution-2.	Lowconi	tribution-1.			·	

Suggested Readings:

Text-Books	 Fundamentals of Computer science - M. Afshar Alam Fundamental of Information Technology by D. S. Yadav- New age International
Reference Books	 A First Course in Computers: Saxena, Vikas Publishing House Basic computer and information science for physiotherapy students – Priyanka Randhir
ParaText	 https://youtu.be/GZgASI5IGFs?list=PLI5- Z8OApDjjnkxEeTVdhIPjGy655Vubf https://youtu.be/OX-iyb-21tk https://youtu.be/I5Ij7nUy9UQ https://youtu.be/isJWl02XpT4

Recapitulation & Examination Pattern

InternalContinuousAssessment:

Component	Marks	Pattern
Class test	12	Contains 01 long question. question carries 04 marks 02 short questions. each question carries 02 marks 04 multiple choice questions. each question carries 01 marks
Class participation or any other	04	This to be made on activities and instruction given by subject teacher
Marks assignments/project	04	Assignment to be made on topics and instruction given by subject teacher
Class presentation	04	This to be made on topics and instruction given by subject teacher
Bed side behavior or	02	This is to be made on activities and instruction given by subject

interaction in class		teacher
attendance	04	As per policy
Total marks	30	