



# झारखण्ड राज्य भौतिक चिकित्सा (फिजियोथेरेपी) परिषद्

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## CHECKLIST FOR STARTING PHYSIOTHERAPY COLLEGE/INSTITUTE

S. No.	JSCPT Norms	For30 students	For40 students	For50 students	Inspection Team Report												
I	Name & Address of the Institution																
II	Type of the Institute (Paper Required) Trust/Society/Missionary/Company																
III	Land Required (Paper Required) <b>Rural area:</b> one piece of land <b>Urban Area</b> (Population > 10lakh): NOT more than two pieces of land (distance in between should not be more than 02 KM).	0.6acres	0.6acres	0.6acres													
IV	<b>Built up Area of the building (Map may be placed with markings of rooms)</b>	17500sq.ft	17800sq.ft	20950sq.ft													
V	<b>Registration Fee*:</b> (For each course /Specialty)	Rs.10000	Rs.10000	Rs.10000													
	<table border="1"> <thead> <tr> <th>Course</th> <th>Processing Fee*</th> <th>Affiliation/Year Fee*</th> </tr> </thead> <tbody> <tr> <td>BPT</td> <td>40000</td> <td>100,000</td> </tr> <tr> <td>MPT</td> <td>50000</td> <td>100,000</td> </tr> <tr> <td>PhD</td> <td>75000</td> <td>125,000</td> </tr> </tbody> </table>					Course	Processing Fee*	Affiliation/Year Fee*	BPT	40000	100,000	MPT	50000	100,000	PhD	75000	125,000
	Course					Processing Fee*	Affiliation/Year Fee*										
	BPT					40000	100,000										
	MPT					50000	100,000										
PhD	75000	125,000															
	*DD in favour of Registrar The Jharkhand State Council for Physiotherapy																
VI	<b>Hostel</b> (For 50% of total strength) (separate/shared with medical college)	15 Bed	20 Bed	25 Bed													
VII	<b>University- affiliation</b> from UGC recognised University	<u>Certificate</u>	<u>Certificate</u>	<u>Certificate</u>													
VIII	Multispecialty hospital/medical college (recognized by Clinical establishment Act/NMC) (Agreement/MOU Required for tie-up)	80Bed	100Bed	125Bed													
IX	Bank guarantee* For MPT/Ph D = 05Lacs / Specialty	12Lacs	12Lacs	12Lacs													
X	Departments required: <b>Medical:</b> A) HUMANANATOMY B) HUMANPHYSIOLOGY C) BIOCHEMISTRY																
	<b>Physiotherapy Departments:</b> 1) KINESIOTHERAPY& EXERCISE THERAPY 2) ELECTROTHERAPY& ELECTRODIAGNOSIS																

<b>XI</b>	<b>Physiotherapy Teaching staff: (With Offer letter or Joining Letter along with copy of advertisement)</b>				
	- Principal	01	01	01	
	- Associate Professor	01	02	02	
	- Assistant Professor	03	04	05	
	<b>Total</b>	<b>05</b>	<b>07</b>	<b>08</b>	
<b>XII</b>	<b>Medical teachers**:(1<sup>st</sup>BPT)</b>				
	- Professor	01	01	01	
	- Associate Professor	01	01	01	
	- Assistant Professor	01	01	01	
	- Tutor	02	02	02	
	<b>Total</b>	<b>05</b>	<b>05</b>	<b>05</b>	
<b>XIII</b>	<b>Teaching Staff for all four years:</b>				
	- Principal	01	01	01	
	- Professor	02	02	03	
	- Associate Professor	04	04	05	
	- Assistant Professor	07	07	07	
		<b>Total</b>	<b>14</b>	<b>14</b>	<b>16</b>

- \*not apply to a physiotherapy college established by a State /Central Governments, Municipal corporations/municipal councils of Jharkhand state or Government autonomous institutes provided that it gives an undertaking (for funds/time bound).
- \*\*As per MCI norms. College can share these department with parent/sister Medical college. The qualification of the medical teachers is as per criteria laid by Medical Council of India updated from time to time.

S.No.	JSCPT Norms	For 30 students	For 40 students	For 50 students	Inspection Team Report
<b>XIV</b>	<b>Non-teaching staffing Physiotherapy college: (With Offer letter or Joining Letter along with copy of advertisement)</b>				
	PA/Academic clerk	01	02	03	
	Storekeeper/Junior clerk	01	02	03	
	Registration & data entry operator	01	02	03	
	Peon	02	03	04	
	Lab Asst	02	02	03	
	Account clerk	01	01	02	
	Asst. Librarian	01	01	01	
	Librarian	N.A.	N.A.	01	
		<b>Total=</b>	<b>09</b>	<b>13</b>	<b>20</b>

<b>XV</b>	<b>Lab. Required to start new college (1<sup>st</sup> Year)-Area (Sq.ft)</b>				
	Anatomy	1000	1200	1500	
	Physiology	1000	1200	1500	
	Electrotherapy & Electro diagnosis	1000	1200	1500	
	Kinesiology & Kinesiotherapy	1000	1200	1500	
	Yoga lab/clinical skills	1000	1200	1500	
Exercise fitness & functional diagnosis	1200	1500	2000		

**Space requirements for new physiotherapy college:(area in sq.ft)**

Space Allotment	30Intake	40Intake	50Intake	Inspection Team Report
	Required	Required	Required	
Administrative office	300	300	400	
Director/dean/principal/ H.O.D.'s Office	300	300	300	
Professor's office	200	200	250	
Associate Professor's office	200	200	250	

Assistant Professor's office	200	200	250	
Conference room	250	300	400	
Mini auditorium	750	750	750	
Classrooms	2000	2000	3000	
Students common room(Girls)	500	500	600	
Students common room(Boys)	250	250	300	
*Library with reading room	600	600	800	
Hostels for Girls	Separate/Shared with Medical College (50% capacity of total intake students)			
Hostels for Boys				
Core laboratories	1200	1200	1500	
Clinical skill labs /Fitness Lab	600	600	750	

Indoor-physiotherapy Department	200	200	200	
Out-door physiotherapy Department areas as per work Load	2500	3000	3500	
Recreational Area	500	500	600	
Examination Hall	750	750	900	
<b>Total area required excluding the Hostel Area</b> <b>+</b> <b>Lab required to start new college (1<sup>st</sup> year) -Area (Sq. ft)</b>	<b>11300+6200=</b> <b>17500</b>	<b>11600+6200=</b> <b>17800</b>	<b>14750+6200=</b> <b>20950</b>	

**Equipment's required for laboratories: (With Stock Register)**

**A). Electro Therapy & Electro diagnosis Lab**

SR.NO.	Particular	Inspection Team Report	
1	<b>Hot Pack</b> SPECIFICATION:- Re-usable gel pack covered /laminated with nylon.	12Nos.	
2	<b>Cold Pack</b> SPECIFICATION:- Re-usable gel pack covered/laminated with nylon.	12Nos.	
3	<b>PARAFFIN WAX BATH(PWB)</b> SPECIFICATION:- Double walled, insulated M.S. tank with cover, caster wheel &automatic thermostat control. Separate neon lamp for power input with thermostatic control Thermostatic control:-00to100c.Size:-12"x12"x8"	3Nos.	
4	<b>OPEN CIRCUIT STIMULATOR</b> SPECIFICATION:- Facility for diagnostic studies for all therapeutic treatment so galvanic, Interrupted Galvanic, Faradic, and Surged Faradic & TENS.	2Nos.	
5	<b>SHORTWAVE DIATHERMY-500W</b> SPECIFICATION:- Power Output:-500wattsFrequency:-27.12MHZ.	6Nos.	

	Timer: - 00 to 30 Min. Intensity control: - 0 to 5 steps. Preferable Size: - 48cm x38cm x88cm. Weight: -less than 30 Kg. unit with Accessories- Pair of pads& electrodes, Mains cable & sinus pad. Modes: Continuous & Pulse		
6	<p style="text-align: center;"><b>UVR LAMP (FLOOR MODEL)</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p>Isolated Unit/ combined IRR treatment fitted in stainless steel domes. Height, Angle, Direction adjustable with special telescopic stand. Floor model mounted on heavy duty caster for easy movement along with selector switch to select either IR or UV.</p>	6Nos.	
7	<p style="text-align: center;"><b>ULTRASOUND UNIT</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p>Analog/digital Micro Processor based, LCD Model Output-1MHZ, Mode:-Cont./Pulse</p>	6Nos.	

	Frequency: -1MHZ      Size:-23cm x 21cm x 7cm. Unit with accessories:- 1nos. sound head, main cable & bag to carry unit.		
8	<p style="text-align: center;"><b>I.R. lamp</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p>Luminous Infrared Lamp with adjustment of increase &amp; decrease the intensity of the irradiating rays. Floor model with stand &amp; metal /wooden base for stability</p>	6Nos.	
9	<p style="text-align: center;"><b>WHIRLPOOL BATH</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p>Heavy gauge stainless steel sheet tank is sturdily fabricated and bright finished comes complete within side aluminum seat and armrest and is fitted with motorized turbine ejector and aerator, digital thermometer, thermostat and immersion heater. Inside measurement of tank 90cm long x 50cm wide x 70cm deep mounted on heavy duty caster wheel.</p>	1No.	
10	<p style="text-align: center;"><b>DIAGNOSTIC STIMULATOR</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p>Therapeutic Mode-Faradic, Surged Faradic, Galvanic, Interrupted Galvanic &amp; TNS. Surged Faradic:-Adjustable 1 to 10msec. Pulse Duration:-0-01,0-03,0-1,0-3,1,3,10,30,100&amp;300msec. Frequency:-1,10,50,100</p> <p>Separate knob/Lamp for therapeutic mode, digital meter Provided for reading Galvanic, Interrupted Galvanic output.</p>	15Nos.	

11	<p style="text-align: center;"><b>TENS UNIT</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p style="text-align: center;">Timer:-00to60min.(Digital)</p> <p>Mode:- Frequency, Burst, brief, acupuncture, conventional PWM &amp; Sweep.</p> <p style="text-align: center;">Four Channelled, separate LED for Freq. &amp; Intensity.</p>	10Nos.	
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12	<p style="text-align: center;"><b>INTERFERENTIAL THERAPY UNIT(IFT)</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p style="text-align: center;">Micro processor based digital model.</p> <p>Digital display for treatment time, freq. &amp; Int.</p> <p>Timer: -00 to 60 min. Mode: -2P,4P &amp; 4PV.</p> <p style="text-align: center;">Frequency:- IFT &amp; Russian current.</p> <p style="text-align: center;">Scan Mode:- 0 to 150, 80 to 150, 0 to 10Hz.</p> <p>Spectrum:- Rectangular, Trapezoidal, Linear. Unit with electrode accessories</p>	5Nos.	
13	<p style="text-align: center;"><b>LASER UNIT</b></p> <p style="text-align: center;">SPECIFICATION:</p> <p>Microprocessor based &amp; Programmed Unit</p> <p>Laser Beam Class:- 3B, Power-200mw</p> <p style="text-align: center;">Freq.:-1HZ to 3500HZ, preferable Wave Length:-650nm</p>	1No.	
14	<p style="text-align: center;"><b>CERVICAL CUM LUMBER TRACTION UNIT</b></p> <p style="text-align: center;">SPECIFICATION:</p> <p>Timer:-00 to 60min. Mode:- Intermittent, Static, combination mode.</p> <p>Hold time:- 15, 30, 60, 90 sec. Rest time:-1, 10, 15, 30 sec.</p> <p>Weight:- less than 20. Approx. size:- 12" x 10" x 14"</p>	4Nos.	
15	<p style="text-align: center;"><b>CONTRAS BATH</b></p> <p style="text-align: center;">SPECIFICATION:-</p> <p>Two Stainless steel inner chamber for Hot and cold – water application.</p> <p style="text-align: center;">Preferable tank size: Inside measurement of the tank 50x30x38cmdeeach, mounted on10cm diameter.Unit with heavy wheel for easy moving. One tank to be fitted with special heating elements while other tank with heavy duty cooling compressor along with digital temperature control.</p>	1No.	

**B) Kinesiology & Kinesiotherapy Lab (With Stock Register)**

SR.NO.	PARTICULAR	Inspection Team Report	
1	<p align="center"><b>PARALLEL BAR WITH MIRROR</b></p> <p>Durable hardwood base, fixed width of 24". The facility of handrails height adjustment. Standard length of 6 Feet. Mirror frame size at least 6ft x 2ft protected by frame with covered by ply board. Fitted on heavy duty caster wheel for easy to move.</p>	2Nos.	
2	<p align="center"><b>WALL BAR (In metal frame)</b></p> <p>Single Section constructed in GI metal sheet sturdy frame. Size:- H-84" x W-28" ,9 steps of 1¼ round GI pipe hand rails with powder coated.</p>	2Nos.	
3	<p align="center"><b>STAIR CASE (STRAIGHT TYPE-60 CM WIDE)</b></p> <p>Unit having two sections. Step arrangement: Four 15 cm high steps on one side &amp; Six steps on the other side. Fitted with two sets of handrails at different height suitable for adult &amp; children. Steps &amp; Platform made of commercial board at least 12 mm thickness covered with non-slip matting. Sides and supporting frame made of commercial board of at least 18 mm thickness. Polished natural wood finish.</p>	1No.	
4	<p align="center"><b>SUSPENSION APP</b></p> <p align="center">SPECIFICATION:-</p> <p>Unit with tubular steel construction, Size specification: at least size 200cm long x 100cm wide at the base, 50cm wide at the top and 180 cm high. All welded rod mesh at the top for complete suspension with slings &amp; ropes. Accessories: at least 6 hooks, 2pcs single pulley, cleat &amp; rope, 1pc suspension head sling, 4pc suspension limb sling, 2pc large &amp; small suspension trunk sling, 2pcs ankle strap, 4pc 'S' hook &amp; 8pc spring.</p>	5Nos.	
5	<p align="center"><b>TILT TABLE (MANUAL)</b></p> <p>Manually operated Tilt Table with minimum two wide straps to hold the Patient. Manual worm gear arrangement. Range of tilt: 0-90 degree. The upholstered table size: L-78" x W-24" x H-32" heavy duty MS tube legs powder coated, mounted on Four lockable 10cm dia. Casters for mobility.</p>	2Nos.	

6	<p align="center"><b>ERGO CYCLE</b></p> <p>Built in tubular steel frame stands solidly on properly balanced base. Provided with adjustable cycle seat and specially designed handle. Separate resistance knob for controlling resistance &amp; speedo meter to shows speed.</p>	5Nos.	
7	<p align="center"><b>ROWING MACHINE</b></p> <p>foam padded seat with at least four wheels for smooth sliding over the frame. Size: L-60" xW-13". Separate spring for different tensions. High tension spring attachment to the seat for leg exercises and light tension spring fitted with handles for rowing exercises.</p>	3Nos.	
8	<p align="center"><b>EXAM COUCH</b></p> <p>Preferable Size: L-72" xW-24" xH-31. sturdily built with lightweight mat of high-density foam covered with nylon cloth &amp; sewn with superior strength nylon thread.</p>	20Nos.	
9	<p align="center"><b>EXERCISE MAT</b></p> <p>All-purpose lightweight mat of high-density foam, preferable size 60" x 36" x 4" is covered with nylon cloth &amp; sewn with superior strength nylon thread.</p>	20Nos.	
10	<p align="center"><b>DUMBELLS (1KG ,2KG, 3KG)</b></p> <p align="center"><b>SPECIFICATION</b></p> <p>Set of dumbbells with vinyl coated material 1 for long durability.</p>	10set	
11	<p align="center"><b>WEIGHT CUFF (1/2KG, 1KG, 2KG)</b></p> <p align="center"><b>SPECIFICATION:-</b></p> <p>Lead shots filled cuff is with long wrap around strap to hold weight cuff securely in place.</p> <p align="center"><b>WEDGES (SMALL, MEDIUM, LARGE)</b></p> <p>3 different size to be used for adult &amp; paediatric patients.</p>	2set       2Set	
12	<p align="center"><b>SAND BAGS</b></p> <p>Bags filled withstand with quality covering material</p>	5Nos.	
13	<p align="center"><b>MEDICINE BALL</b></p> <p>Balls made up of fine leather with weight set of 1kg, 2kg, 3kg.</p>	5Nos.	



14	<b>THERA BAND</b> Elastic Band 5 cm wide & 1 mtr long, 1 set of 5 different colour & resistance	2set	
15	<b>SWISS BALL (PHYSIO BALL)</b> –55cmpink 65cmBlue 75cm Green 85cm Purple	1No. 1No. 1No. 1No.	
16	<b>HAND DYNANOMETER</b> (Unit with digital Meter for reading strength and endurance testing in both clinical and research environments)	1No.	
17	<b>HAND EVALUATION KIT</b> Kit involving Hand dynamometer, pinch gauge & set of finger goniometer.	1No.	
18	<b>DELORM'S BOOT WITH WEIGHT</b> Quality shoe with weight	5Nos.	
19	<b>HAND EXERCISE</b> <b>UNIT ELBOW</b> <b>CPM</b> Computerized unit allowing range of motion of 00to180degrees. Unit with elbow passive motion, wrist roll & supination pronation motion facilities.	1No.	
20	<b>CPM UNIT</b> Digital, computerized unit with 00to120degreemotion. Digital timer with rest & hold time along with safety patient switch.	2Nos.	
21	<b>SHOULDER WHEEL (SMALL)</b> Wall unit. Chrome Plated with height adjustment bar with increasing & decreasing resistance knob for supination & pronation.	2Nos.	
22	<b>FINGER LADDER</b> Wall unit Hard wood ladder with atleast 20 steps for finger exercise. Size:H-42" x w-3"	3Nos.	
23	<b>SKATES</b> Skates with four wheels. Handgrip area to hold.	5Nos.	
24	<b>AXILLARY</b> <b>CRUTCH</b> <b>ELBOW CRUTES</b> <b>WALKER:</b> Metal frame with wheels & height adjustment	5Nos. 5Nos. 5Nos.	
25	<b>WOBBEL BOARD</b> (Board with good base allowing motion & stability)	4Nos.	

26	<b>QUADRICEP TABLE</b> Preferable Size: -L-32" xW-24" xH-24" built in 1¼" x1¼" ms. Unit with back rest seat & Single liver.	2Nos.	
27	<b>ANKLE EXERCISER</b> (Boot with straps to hold the foot, mounted on two spring for exercise)	4Nos.	
28	<b>BED CYCLE</b>	2Nos.	
29	<b>RACHET</b>	2Nos.	
30	<b>WRIST ROLLER</b> Wooden roll with 30mm,40mm &50mm size drolls fitted onboard. Adjustable friction control mechanism. <b>WRIST EXERCISER</b> Cast iron wheel of 30cm diameter with drum stand is mounted on a laminated wooden base. Separate knob to control resistance from zero to maximum.	5Nos.  5Nos.	
31	<b>WHEEL CHAIR</b>	5Nos.	
32	<b>PELVICE INCLINOMETER</b>	2 Nos.	

### C) Book-List

S. No.	Name of Books	Author's Name	Edition	Publication	Inspection Report
1	Textbook of Rehabilitation	S. Sunder	4th	Jaypee	
2	Adams's Outline of Orthopaedics	Hamblen	14th	Churchill Livingstone	
3	Handbook of General Anatomy	BD Chaurasia's	5th	CBS	
4	Cash's Textbook of Neurology for Physiotherapists	Patricia A. Downie	4th	Jaypee	
5	The Principles of Exercise Therapy	M. Dena Gardiner	4th	CBS	
6	Cash's Textbook of Chest, Heart and Vascular Disorders for Physiotherapists	Patricia A. Downie	4th	Jaypee	
7	Clayton's Electrotherapy Theory and Practice	Forster & Palastanga	8th	CBS	
8	Electrotherapy Simplified	Basanta Kumar Nanda	3rd	Jaypee	

9	Cash's Textbook of Orthopaedics and Rheumatology for Physiotherapists	Patricia A. Downie		Jaypee	
10	Short Practice of Surgery	Bailey & Love's	27th	CRC Press	
11	Textbook of Medical Physiology	Johan E. Hall		Elsevier	
12	Physical Rehabilitation	Susan B O'Sullivan	7th	Jaypee	
13	Examination of Orthopedic & Athletic Injuries	Chad Starkey Sara D. Brown	4th	Jaypee	
14	Textbook of Human Neuroanatomy	Inderbir Singh's	10th	Jaypee	
15	Cunningham's Mannual of Practical Anatomy Vol-1	G. J. Romanes	15th	Oxfod	
16	Cunningham's Mannual of Practical Anatomy Vol-2	G. J. Romanes	15th	Oxfod	
17	Cunningham's Mannual of Practical Anatomy Vol-3	G. J. Romanes	15th	Oxfod	
18	Basic Biomechanics of the Musculoskeletal System	Margareta Nordin Victor H. Frankel	4th	LWW	
19	Textbook of Microbiology	Ananthanarayan Paniker's	11th	University Press	
20	Essentials of Exerciese Physiology	Victor L. Katch William D. McArdle Frank I. Katch	5th	LWW	
21	Clinical Anatomy	Richard S. Snell	9th	LWW	
22	Physical Agents in Rehabilaitation	Michell H. Cameron	5th	Elsevier	
23	Cardiovascular and Pulmonary Physical Therapy	Donna Frownfelter Elizabeth Dean	5th	Elsevier	
24	Davidson's Principles & Practice of Medicine	Brian R. Walker Nicki R. Colledge Stuart H. Ralston Ian D. Penman	22nd	Churchill Livingstone	
25	Muscles Testing and Function with Posture and Pain	Henry Otis Kendall	5th	LWW	
26	Therapeutic Exercise Foundations and Techniques	Carolyn Kisner Lynn Allen Colby	7th	Jaypee	
27	Atlas of Histology with Functional Correlations	Victor P. Eroschenko	12th	LWW	
28	Essentials of Medical Physiology	K Sembulingam Prema Sembulingam	8th	Jaypee	
29	Orthopedic Physical Assesment	David J. Magee	7th	Elsevier	
30	Textbook of Pathology	Harsh Mohan	8th	Jaypee	
31	Pathology Quick Review and Mcqs	Harsh Mohan	4th	Jaypee	

32	Essentials of Orthopaedics and Applied Physiotherapy	Jayant Joshi Prakash Kotwal	3rd	Elsevier	
33	Essential Orthopaedics	Maheshwari & Mhaskar	7th	Jaypee	
34	Essentials of Orthopedics for Physiotherapists	John Ebnezar	3rd	Jaypee	
35	Neurology and Neurosurgery Illustrated	Kenneth W Lindsay Ian Bone Geraint Fuller	5th	Churchill Livingstone	
36	Textbook of Human Histology	Inderbir Singh's	9th	Jaypee	
37	The Soft Tissue Trauma and Sports Injuries	McLatchie & Lennox		BH	
38	Clinical Sports Medicine	Peter Brukner Karim Khan	3rd	Tata McGraw Hill	
39	Essentials of Medical Pharmacology	KD Tripathi	8th	Jaypee	
40	Clinical Orthopaedic Rehabilitation	S. Brent Brotzman Robert C. Manske	4th	Elsevier	
41	Pathologic Basis of Disease Vol-1	Robbins & Cotran	South Asia	Elsevier	
42	Pathologic Basis of Disease Vol-2	Robbins & Cotran	South Asia	Elsevier	
43	Essential Pediatrics	OP Ghai	9th	CBS	
44	Principles and Practice of Therapeutic Massage	Akhoury Gourang Sinha	2nd	Jaypee	
45	Handbook of Practical Electrotherapy	Pushpal Kumar Mitra	1st	Jaypee	
46	A Textbook of Practical Physiology	CL Ghai	9th	Jaypee	
47	Textbook of Gynecology	DC Dutta's Hiralal Konar	9th	Jaypee	
48	Treatment of Cerebral Palsy and Motor Delay	Sophie Levitt	6th	Jaypee	
49	Electrotherapy Explained Principles and Practice	Val Robertson Alex Ward John Low Ann Reed	4th	Elsevier	
50	A Short Textbook of Psychiatry	Niraj Ahuja	7th	Jaypee	
51	Textbook of Obstetrics	DC Dutta's Hiralal Konar	9th	Jaypee	
52	Principles of Neuromusculoskeletal Treatment and Management	Nicola J Petty	3rd	Churchill Livingstone	
53	Joint Structure and Function	Pamela K. Levangie Cynthia C. Norkin	6th	Jaypee	

54	Concise Medical Physiology	Sujit K. Chaudhuri	7th	NCBA	
55	Human Anatomy Vol-1	B D Chaurasia	8th	CBS	
56	Human Anatomy Vol-2	B D Chaurasia	8th	CBS	
57	Human Anatomy Vol-3	B D Chaurasia	8th	CBS	
58	Biochemistry	U. Satyanarayana U. Chakrapani	6th	Elsevier	
59	Muscle Testing	Helen J. Hislop Dale Avers Marybeth Brown	10th	Elsevier	
60	Introduction to Psychology	Morgn, Clifford T	2nd	Tata Mcg. Hill, Delhi	
61	Introduction to Psychology	Farnald, L.D.	5th	AITBS, Delhi	
62	Modern Clinical Psychology Principals	Korchin, Sheldon J.	Latest	CBS, New Delhi	
63	Social Psychology: Individuals, Groups, Societies	McDavid, J. W. and Harari H	Latest	CBS, New Delhi	
64	Behavioral Sciences in Medical Practice	Mehta, Manju	Latest	Jaypee, New Delhi	
65	Introduction to Sociology	Bhusan, Vidya and Sachdeva, D. R.	Latest	Kitab Mahal, New Delhi	
66	Indian Society and Culture	Anand Kumar	Latest	Vivek, New Delhi	
67	Dictionary (English to English)		Latest	Oxford	
68	Dictionary (English to Hindi)		Latest	Oxford	
69	Concept in Paediatrics Neurology	Atul Choube	Latest	CBS, New Delhi	
70	Rapid Paediatrics and Child Health		2nd	CBS, New Delhi	
71	A to Z Child Care	Meharban Singh	Latest	CBS, New Delhi	
72	Manipulation & Mobilization Extremity and Spinal Technique	Susan L. Edmond Mosby	Latest	Elsevier	
73	Abnormal Psychology and Modern Life	Colemon	7th		
74	Handbook of Clinical Psychology	Garfield, S. L. Newyork	Latest	Mc Graw Hill	
75	Introduction to Clinical Psychology	Kordin, Sheldon. I	Latest	New Delhi, CBS	
76	The Disorganised Personality	Kisnker, G. W.	Latest	Mc Graw Hill	
77	Experimental Foundation of Clinical Psychology	Hund and Jones	Latest	Basic Books	
<b>Note: - (1) Five (05) copies of each book should be purchase.</b> <b>(2) All books are available in e-books.</b>					

### D) The Fitness Charts

S. No.	Particular	Quantity	
1	Stomach Workout	1	
2	Exercise and Muscle Guide	1	
3	Exercise Anatomy Chart	1	
4	Shoulder Workout	1	
5	Shape-up Exercises	1	
6	Back Workout	1	
7	Arm Workout	1	
8	Aerobic Flexibility	1	
9	Weight Training Flexibility	1	
10	Weight Training Shape-up for Women	1	
11	Training Heart Rate Target	1	
12	Chart on the Harmful effects of Cocaine	1	
13	Alcohol	1	
14	Smoking	1	
15	Adverse Drug Effects	1	

### E) Models

S. No.	Particular	Quantity	
1	Human sex less torso with head	2	
2	Human heart	2	
3	Human skin	2	
4	Human Lung	2	
5	Human Kidney	2	
6	Human Brain	2	
7	Human Head and Neck	2	
8	Human Digestive System	2	
9	Human Circulatory System	2	
10	Human Respiratory System	2	
11	Human Nervous System	2	
12	Human Embryo Development	2	
13	Human Full Size Articulated Skeleton	2	
14	Human Full Size Disarticulated Skeleton	2	
15	Human Skull	2	
16	Shoulder Joint	2	
17	Hip Joint	2	
18	Knee Joint	2	

19	Elbow Joint	1	
20	Human Vertebral	1	
21	Human Foot Joint	1	
	Human Hand Joint	1	
22	Human Adult male Pelvis	1	
23	Human Pumping Heart 3D	1	
24	Human Live Pancreas and Duodenum Model	1	
25	Human Male Urinogenital Systems	1	
26	Human Female Urinogenital Systems	1	
27	Human Kidney	1	
28	Human Full Size Fibre Glass Skeleton	1	
29	Human Fiber Glass - Full size Skeleton Articulated (5 feet)	1	
30	Human Fiber Glass - Full size Skeleton with adjustable steel stand with hook	2	
31	Human full size skeleton fiber glass disarticulate (Bone-set)	2	

#### Bio-Visual Charts

32	Human Skeleton	1	
33	Human Skeleton Joints and Limbs	1	
34	Human heart	1	
35	Human Arterial System	1	
36	Human Venous System	1	
37	Human Digestive System	1	
38	Human Respiratory System	1	
39	Human Excretory System	1	
40	Human Brain	1	
41	Human Spinal Cord	1	
42	Human Skin	1	
43	Human Nervous System	1	
44	Human Muscular System	1	
45	Human Muscles	1	
46	Human Cartilage & Bone	1	
47	Human Blood	1	
48	Human Blood Groups	1	
49	Human Embryo Development I	1	
50	Human Embryo Development II	1	
51	Human Lymphatic System	1	

#### Rexine Chart

52	Muscular System	1	
53	Muscular Back View	1	

54	Skeleton – 1	1	
55	Nervous System	1	
56	Autonomic Nervous System	1	

**CD For Anatomy**

57	Discussion of different layer of skin, fascia muscle nerve and arteries of upper limb & lower limb	1	
58	Discussion of varous fescial muscles	1	
59	Discussion of various back muscles	1	
60	Discussion of various abdominal	1	
61	Discussion of various Thorox Muscles	1	

**Physiology (Deluxe Coloured Laminated Chart)**

<b>S. No.</b>	<b>Particular</b>	<b>Quantity</b>	
1	Human Skeleton System	1	
2	Human Muscular System	1	
3	Human Circulation of Blood	1	
4	Human Brain & Nervous System	1	
5	Human Digestive System	1	
6	Human Respiratory System	1	
7	Human Heart	1	
8	Human Genito Urinary Organs	1	
9	Human Femals Resproductive System	1	
10	Human Lymphatic System	1	
11	Menstrual Cycle	1	
12	Sense Organs and Reflexaction	1	
	Charts	1	
13	Osmosis, Plasmalysis & Diffusion	1	
14	Gluconeogenesis & Diffusion	1	
15	Active & Passive Trasnport	1	
16	Fatty Acid Oxidation & Regulation	1	
17	pH Colour Chart	1	
18	First Aid – I	1	
19	First Aid – II	1	
20	First Aid – III	1	
21	Major Histocompatibility Class –I	1	
22	Major Histocompatibility Class –II	1	
23	Complement System	1	
24	Kerb's Cycle	1	
25	Electro Cardio Graph	1	
26	Electro Encephalography	1	
27	BMI Chart	1	
28	BP	1	



29	Cell Membrane & Cell Wall	1	
30	Total Count of Blood	1	
31	Plasma Membrane	1	

**Organ Human Viscera (Original)**

1	Heart Liver	1	
2	Kidney Lung	1	
3	Brain	1	
<b>Projection Slides or Transparencies</b>			
1	Human Physiology	1 Set	

**Chart in Multicoloured**

1	Human Urinary Bladder	1	
2	Endocrine System	1	
3	Human Eye Muscles	1	
4	Human Trachae	1	
5	Human Gaseous Exchange System	1	
6	Human Larynx	1	
7	Human Tongue	1	

**Normal Human Histology**

S. No.	Particulars	Quantity	
1	Adipose Tissue	12	
2	Adrenal Gland T.S.	12	
3	Aorta T.S.	12	
4	Areolar Connective Tissue	12	
5	Artery T.S.	12	
6	Bar Bodies	12	
7	Blood Smear	12	
8	Bone Development	12	
9	Brouches of Lung	12	
10	Brain Stem T.S.	12	
11	Cardiac (Heart) Muscles	12	
12	Cerebellum T.S.	12	
13	Cerebral Cortes T.S.	12	
14	Colon T.S.	12	
15	Compact Bone T.S.	12	
16	Compact Bone L.S.	12	
17	Cornea T.S.	12	
18	Coronary Artery T.S.	12	
19	Duodenum T.S.	12	
20	Eccrine Glands	12	
21	Epididymis T.S.	12	
22	Gall Bladder T.S.	12	
23	Epiglottis	12	

24	Glandular Epithelium	12	
25	Golgi Apparatus	12	
26	Hyaline Cortilage	12	
27	Holocrine Glands in Section	12	
28	Ileum T.S.	12	
29	Jejunum T.S.	12	
30	Kidney T.S.	12	
31	Larynx	12	
32	Lip T.S.	12	
33	Lip T.S.	12	
34	Liver T.S.	12	
35	Lung T.S.	12	
36	Lymph Node T.S.	12	
37	Mammary Gland Active T.S.	12	
38	Mammary Gland Resting T.S.	12	
39	Mucous Glands	12	
40	Medulla Oblongata T.S.	12	
41	Mucous Tissue	12	
42	Nerve T.S.	12	
43	Oesophagus T.S.	12	
44	Optic Nerve T.S.	12	
45	Ovary T.S.	12	
46	Ovary with Corpus Luteum	12	
47	Oviduct T.S.	12	
48	Pancreas T.S.	12	
49	Parathyroid Gland T.S.	12	
50	Penis T.S.	12	
51	Pituitary Gland T.S.	12	
52	Placenta T.S.	12	
53	Spinal Ganglion T.S.	12	
54	Prostate Glands T.S.	12	
55	Pseudostratified Ciliated Columnar Epithelium	12	
56	Rectum T.S.	12	
57	Red Bone Marrow	12	
58	Reticular Fibers	12	
59	Retina T.S.	12	
60	Scalp V.S.	12	
61	Simple Ciliated Columnar Epithelium	12	
62	Simple Columnar Epithelium	12	
63	Simple Cuboidal Epithelium	12	
64	Skin T.S.	12	
65	Small Instestine T.S.	12	
66	Smooth (Involuntary) Muscles W.M.	12	
67	Sperm Smear	12	
68	Spinal Cord T.S.	12	
69	Spleen T.S.	12	
70	Squamous Epithelium-isolated cells	12	

71	Stomach Cardial Reg. T.S.	12	
72	Stomach Fundic Reg. T.S.	12	
73	Stomach Pyloric	12	
74	Striated Muscles L.S.	12	
75	Striated Muscles T.S.	12	
76	Striated Muscles W.M.	12	
77	Stratified , Conrnified Epithelium	12	
78	Stratified , Non Conrnified Squamous Epithelium	12	
79	Sympathetic Ganglion T.S.	12	
80	Testis T.S.	12	
81	Thalamus T.S.	12	
82	Thymus Gland T.S.	12	
83	Thyroid Gland T.S.	12	
84	Tongue with filiform Papillae	12	
85	Tongue with fungiform Papillae	12	
86	Tonsil T.S.	12	
87	Tooth L.S.	12	
88	Tooth T.S.	12	
89	Trachea L.S.	12	
90	Trachea T.S.	12	
91	Transitional Epithelium	12	
92	Ureter T.S.	12	
93	Urinary Bladder T.S.	12	
94	Urethra T.S.	12	
95	Vagina T.S.	12	
96	Vein T.S.	12	
97	Vermiform Appendix T.S.	12	
98	White Fibrous Cartilage	12	
99	White Fibrous Tissue	12	
100	Yellow Elastic Cortilage	12	

#### Human Pathology

S. No.	Particular	Quantity	
1	Acute Nephritis	12	
2	Adiposis of Heart	12	
3	Amyloid Degeneration of Spleen	12	
4	Anaemia Blood Smear	12	
5	Anthracosis of Lung	12	
6	Carcinoma Cervics Uteri	12	
7	Carcinoma Glandulare	12	
8	Carcinoma of Brest	12	
9	Carcinoma of Lung	12	
10	Carcinoma of Stomach	12	
11	Carcinoma of Large Instestine	12	
12	Cyst of Ovary	12	
13	Diphtheria-Section of Trachea	12	
14	Fatty Degeneration of Liver	12	

15	Fibrocome of Skin	12	
16	Fibromyoma Uteri	12	
17	Gelatinus Carcinoma of rectum	12	
18	Hypertrophy of the prostrate	12	
19	Leukamia Blood Smear	12	
20	Liver Carcinoma	12	
21	Lymphatic Leukamia of Liver	12	
22	Malignant Ovarian Tumor	12	
23	Melanosarcoma of Skin	12	
24	Milliary Tuberculosis of Liver	12	
25	Miliary Tuberculosis of Lung	12	
26	Parenchymatous degeneration of Kidney	12	
27	Sarcoma of Testicle	12	
28	Scirrhus carcinoma of breast	12	
29	Struma Nodosa of Thyroid	12	
30	Thickening of Intestine	12	
31	Tuberculosis of Kidney	12	