

# UP STATE PARAMEDICAL FACULTY



## **Syllabus for courses**

DIPLOMA IN PHYSIOTHERAPY -105

DURATION - 02 YEARS+3 month internship

### SYLLABUS

#### FIRST YEAR

**TOPICS** ---1. Introduction to Physiotherapy 2. Anatomy 3. Physiology 4. Elementary Nursing 5. Elementary Biochemistry, Pathology and Microbiology 6. Hygiene and Sanitation 7. Nutrition and dietics 8. Biomedical Waste Management 9. First Aid 10. Disaster Management 11. Anatomy and physiology as relevant to physiotherapy 12. Medical and Surgical Nursing 13. Elementary Pharmacology 14. Human relations 15. Community Health Nursing & Communicable diseases 16. Equipment management

#### SECOND YEAR

**TOPICS** -- 1. Pathology 2. Orthopedics 3. Massage manipulation, exercises and physical drill and yoga 4. Management of Medical and Surgical Emergencies 5. Pharmacology 6. Medical Subjects 7. Elementary Physics and Minor Crafts 8. Physics of heat and heat therapy 9. Physics of light and light therapy 10. Physics of electricity and electro-therapy 11. Hydrotherapy 12. Occupational Therapy

FIRST YEAR --- 1 <sup>st</sup> PAPER			
Topics	marks		Paper duration
Anatomy & Physiology, Elementary Nursing , Elementary Biochemistry, Pathology and Microbiology Hygiene and Sanitation , Nutrition and dietics , Biomedical Waste Management , First Aid , Disaster Management	<b>75</b>	100	03 HRS
<b>INTERNAL ASSESMENT</b>	<b>25</b>		
FIRST YEAR --- 2 <sup>nd</sup> PAPER			
Topics	marks		Paper duration
Anatomy and physiology as relevant to physiotherapy , Medical and Surgical Nursing, Elementary Pharmacology, Human relations, Community Health Nursing & Communicable diseases , Equipment management	75	100	03 HRS
<b>INTERNAL ASSESMENT</b>	<b>25</b>		
Practical			
Anatomy & Physiology( gen and as relevant to physiotherapy) Fundamental Nursing, Medical Nursing and Surgical Nursing , Elementary Pathology, Microbiology, and Biochemistry , First Aid, Bandaging and Casualty Evacuation , Medical and Physiotherapy Equipment	75	100	03 HRS

General Biomechanics			
<b>INTERNAL ASSESMENT</b>	25		

<b>SECOND YEAR -PAPER I</b>			
Topics	marks		Paper duration
Pathology Orthopaedics. Massage manipulation, exercises and physical drill and yoga  Management of Medical and Surgical Emergencies Pharmacology Medical subjects Elementary Physics and Minor Crafts	75	100	3hours
<b>INTERNAL ASSESMENT</b>	25		
<b>SECOND YEAR --- PAPER II</b>			
Physics of heat and heat therapy, Physics of light and light therapy, Physics of electricity and electro-therapy, Hydrotherapy ,Occupational Therapy.	75	100	3hours
<b>INTERNAL ASSESMENT</b>	25		
Practical			

General Duties ,Massage manipulation, exercises and physical drill and yoga ,Physics of heat and heat therapy,Physics of light and light therapy, Physics of electricity and electro-therapy. Occupational Therapy. Hydrotherapy ,Activity analysis	75	100	3hours
<b>INTERNAL ASSESMEN</b>	25		

### RECOMMENDED BOOKS

- (i) Sr. Nancy- Principles and Practice of Nursing, N.R Brothers, M.Y. Road. Indore
- (ii) Suzanne C. Smeltzer, Brenda G. Bare, Janice L. Hinkle, Kerry H. Cheever- Textbook og Medical-Surgical Nursing Vulume-1, Wolters Kluwer India Pvt. Ltd, 501-A, Devika Tower, 6, Nehru Place New Delhi-110019
- (iii) Suzanne C. Smeltzer, Brenda G. Bare, Janice L. Hinkle, Kerry H. Cheever- Textbook og Medical-Surgical Nursing Vulume-2, Wolters Kluwer India Pvt. Ltd, 501-A, Devika Tower, 6, Nehru Place New Delhi-110019
- (iv) Patricia A, Potter, RN, MSN, PhD, CMAC, FAAN, Anne Griffin Perry, RN, MSN, EdD, FAAN- Fundamentals of Nursing, Printed and bound at International Print-O-Pac-Limited C/4-11, Phase-II Extn,

- (v) NOIDA-201201 (U.P)  
L.C Gupta, MD,MNAMS, Abhitabh  
Gupta- Manual of Fist Aid,  
JaypeeBorthers Medical  
Publishers (PVT) LTD, B-# EMCA  
House, 23/23B Ansari Road,  
Daryaganj,, Post Box 7193,New  
Delhi-11002
- (vi) Virendra N Shgal,  
GovindSrivastava- Diagnosis and  
Treatment of Common Skin  
Diseases, Jaypee Brothers  
Medical Publishers (P) LTD New  
Delhi
- (vii) Lippincott Williams & Wilkins -  
Pharmacology, A Wolters Kluwer  
Company Philadelphia
- (viii) Annamma Jacob, Rekha R,  
JadhavSonaliTarachand-  
Pharmacology for Nurses, Jaypee  
Brother Medical Publishers (P)  
LTD New Delhi
- (ix) Virendra N Sehgal- Textbook of  
Clinical Dermatology, Jaypee  
Brother Medical Publishers (P)  
LTD New Delhi
- (x) S Nambi- Psychiatry for Nurses,  
Jaypee Brother Medical Publishers  
(P) LTD , B-3, EMCA House,  
23/23B Ansari Road. Daryaganj  
Post Box 7193,New Delhi
- (xi) BT Basavanthappa- Psychiatric  
Mental Health Nursing, Jaypee  
Brother Medical Publishers (P)  
LTD New Delhi
- (xii) Harsh Mohan - Textbook of  
Pathology, Jaypee Brother Medical  
Publishers (P) LTD New Delhi  
T K  
Indrani- Nursing Manual of  
Nutrition and Therapeutic Diet,

(xiii).

Jaypee Brother Medical Publishers  
(P) LTD New Delhi

K Park- Preventive and Social  
Medicine, M/s BanarsidasBhanot,  
Publishers, 1167, Prem Nagar,  
Jabalpur -482001 (India)

(xiv)

RattnLallchhpujani, Rajesh Bhatia-  
Microbiology for Nurses, Jaypee  
Brother

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