

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY , U.P., LUCKNOW

BACHELOR OF PHYSIOTHERAPY (BPT) SEVENTH SEMESTER EXAMINATION JULY 2026

NAME OF SUBJECT : PHYSIOTHERAPY IN ORTHOPAEDICS-I

PAPER CODE : 2637210127

DATE OF EXAM : 18.07.2026

MAX MARKS : 80

TIME: 03 HOURS (11:00AM TO 02:00PM)

GENEAL INSTRUCTIONS :

All question are compulsory

Explain with diagrams where required

The number on the right indicates full marks

Please write the correct Paper Code

<u>LONG ESSAY QUESTIONS</u>		2 X 20 = 40 MARKS
Q1.	Discuss fracture healing in detail. Explain factors affecting fracture healing, principles of fracture management, complications of fractures, and physiotherapy management during immobilization and after immobilization.	20 marks
Q.2	Describe the physiotherapy assessment and management of Poliomyelitis. Discuss classification, deformities, treatment goals and Management after surgical corrections and reconstructive surgeries.	20 marks
<u>SHORT NOTE QUESTIONS</u>		2 X 10 = 20 MARKS
Q3.	Discuss the indications, contraindications, physiological effects, modes of application, precautions, and limitations of Spinal Traction.	10 marks
Q4.	Explain the physiotherapy management of a patient following Below-Knee Amputation (BKA), including stump care, bandaging, pre-prosthetic and post-prosthetic training.	10 marks
<u>SHORT ANSWER QUESTIONS</u>		4 X 5 = 20 MARKS
Q5.	Describe Clinical features and physiotherapy management of Club Foot (CTEV)	5 marks
Q6.	Discuss the Causes, investigations, and management of Osteoporosis.	5 marks
Q7.	Explain the physiotherapy management of Osteoarthritis of the knee.	5 marks
Q8.	Describe Post-operative physiotherapy management following Total Knee Arthroplasty	5 marks

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BACHELOR OF PHYSIOTHERAPY (BPT) SEVENTH SEMESTER EXAMINATION JULY 2026

NAME OF SUBJECT : PHYSIOTHERAPY IN NEUROLOGY-I

PAPER CODE : 2637210128

DATE OF EXAM : 20.07.2026

MAX MARKS : 80

TIME: 03 HOURS (11:00AM TO 02:00PM)

GENEAL INSTRUCTIONS :

All question are compulsory

Explain with diagrams where required

The number on the right indicates full marks

Please write the correct Paper Code

<u>LONG ESSAY QUESTIONS</u>		2 X 20 = 40 MARKS
Q1.	Describe concept, principles, techniques & effects of PNF and Roods approach.	20 marks
Q.2	Describe neurological functional diagnosis and assessment, including higher mental functions, cranial nerve examination, motor and sensory examination and including gait analysis.	20 marks
<u>SHORT NOTE QUESTIONS</u>		2 X 10 = 20 MARKS
Q3.	Discuss paediatric neurological assessment, developmental milestones and developmental reflexes.	10 marks
Q4.	Write in detail about qualitative and quantitative analysis of gait in detail.	10 marks
<u>SHORT ANSWER QUESTIONS</u>		5 X 4 = 20 MARKS
Q5.	Grader of modified Ashworth Scale.	4 marks
Q6.	Management of Mechanical Complication?	4 marks
Q7.	Functional Independence Measure (FIM).	4 marks
Q8.	Neuro developmental screening test.	4 marks
Q9.	Romberg's test and Babinski sign.	4 marks

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BACHELOR OF PHYSIOTHERAPY (BPT) SEVENTH SEMESTER EXAMINATION JULY 2026

NAME OF SUBJECT : PHYSIOTHERAPY IN CARDIOPULMONARY CONDITIONS-I

PAPER CODE : 2637210129

MAX MARKS : 80

DATE OF EXAM : 22.07.2026

TIME: 03 HOURS (11:00AM TO 02:00PM)

GENEAL INSTRUCTIONS :

All question are compulsory

Explain with diagrams where required

The number on the right indicates full marks

Please write the correct Paper Code

<u>LONG ESSAY QUESTIONS</u>		2 X 20 = 40 MARKS
Q1.	Explain neonatal unit, emergencies in the neonatal unit and chest physiotherapy for specific neonatal disorders.	20 marks
Q.2	Explain the physiotherapy assessment of adult and paediatric cardiopulmonary patients. Discuss clinical examination and investigations in details.	20 marks
<u>SHORT NOTE QUESTIONS</u>		2 X 10 = 20 MARKS
Q3.	Measures to optimize the balance between energy supply and demand.	10 marks
Q4.	Explain Neuro physiological facilitation of Respiration and methods to reduce the work of breathing.	10 marks
<u>SHORT ANSWER QUESTIONS</u>		5 X 4 = 20 MARKS
Q5.	Drugs to treat bronchospasm.	4 marks
Q6.	Incentive Spirometry.	4 marks
Q7.	Indications, contraindications and types of nebulizer.	4 marks
Q8.	Controlled mobilization	4 marks
Q9.	Huffing and coughing techniques.	4 marks

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BACHELOR OF PHYSIOTHERAPY (BPT) SEVENTH SEMESTER EXAMINATION JULY 2026

NAME OF SUBJECT : PHYSIOTHERAPY IN SPORTS- I

PAPER CODE : 2637210130

DATE OF EXAM : 24.07.2026

MAX MARKS : 80

TIME: 03 HOURS (11:00AM TO 02:00PM)

GENEAL INSTRUCTIONS :

All question are compulsory

Explain with diagrams where required

The number on the right indicates full marks

Please write the correct Paper Code

<u>LONG ESSAY QUESTIONS</u>		2 X 20 = 40 MARKS
Q1.	Discuss principles of sports injury prevention, pre-participation evaluation, training principles, rehabilitation, and return-to-play criteria.	20 marks
Q.2	Discuss the principles of training & Rehabilitation in sports injuries and the role of physiotherapy.	20 marks
<u>SHORT NOTE QUESTIONS</u>		2 X 10 = 20 MARKS
Q3.	Explain the biomechanical factors contributing to rotator cuff injuries in weight lifters and discuss evidence-based physiotherapy management.	10 marks
Q4.	Explain the physiological effects of exercise on the muscular, cardiovascular, respiratory, endocrine, and nervous systems.	10 marks
<u>SHORT ANSWER QUESTIONS</u>		5 X 4 = 20 MARKS
Q5.	Doping in Sports.	4 marks
Q6.	Extrinsic risk factors for sports injuries.	4 marks
Q7.	Describe Bicipital Tendinitis in brief.	4 marks
Q8.	Principles of sports rehabilitation.	4 marks
Q9.	Carpal Tunnel Syndrome.	4 marks

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BACHELOR OF PHYSIOTHERAPY (BPT) SEVENTH SEMESTER EXAMINATION JULY 2026

NAME OF SUBJECT : RESEARCH METHODOLOGY & BIOSTATISTICS

PAPER CODE : 2637210131

MAX MARKS : 80

DATE OF EXAM : 27.07.2026

TIME: 03 HOURS (11:00AM TO 02:00PM)

GENEALR INSTRUCTIONS :

All question are compulsory

Explain with diagrams where required

The number on the right indicates full marks

Please write the correct Paper Code

<u>LONG ESSAY QUESTIONS</u>		2 X 20 = 40 MARKS
Q1.	Explain descriptive and inferential statistics. Discuss measures of central tendency, dispersion and ANOVA with suitable examples.	20 marks
Q.2	What do you understand by Tabulation of Data? Explain types of diagrams with pictures.	20 marks
<u>SHORT NOTE QUESTIONS</u>		2 X 10 = 20 MARKS
Q3.	What do mean by Scaling? Write down about the technique of Developing Measurement tools.	10 marks
Q4.	Explain hypothesis testing, p-value and Type I & Type II errors.	10 marks
<u>SHORT ANSWER QUESTIONS</u>		5 X 4 = 20 MARKS
Q5.	Research Ethics.	4 marks
Q6.	What do you mean by Sampling.	4 marks
Q7.	Methods of data collection.	4 marks
Q8.	Explain Histograms.	4 marks
Q9.	Mean, Median, and Mode.	4 marks