

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

BACHELOR OF PHYSIOTHERAPY (BPT) FOURTH SEMESTER EXAMINATION SEP 2026

NAME OF SUBJECT : EXERCISE THERAPY-II

PAPER CODE : 2634110114

DATE OF EXAM : 14.09.2026

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 Mobilization how it is different from Manipulation? Write down indication, contraindication, limitation and precaution of mobilization technique. Describe pattern of shoulder mobilization technique.	20 marks (2 +3+7+8)
Q.2	Define PNF. Describe technique and pattern of PNF in detail.	20 marks (2+18)
<u>SHORT NOTE QUESTIONS</u>		2 X 10 = 20 MARKS
Q3.	What is Resisted Exercise and Progressive resistance exercise? Describe Delorme, Oxford, MacQueen Exercise technique.	10 marks (2+8)
Q4.	Define Aerobics exercise. How can we evaluate Aerobic exercise capacity? What are aerobic exercise determinants?	10 marks (2+4+4)
<u>SHORT ANSWER QUESTIONS</u>		5 X 4 = 20 MARKS
Q5.	Different methods of Gait training.	4 marks
Q6.	Principle and techniques of Muscle energy techniques.	4 marks
Q7.	Postural alignment and Postural Training.	4 marks
Q8.	Complication of prolonged bed rest	4 marks
Q9.	Examination of balance impairment.	4 marks

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BACHELOR OF PHYSIOTHERAPY (BPT) FOURTH SEMESTER EXAMINATION SEP 2026

NAME OF SUBJECT : ELECTROTHERAPY-II

PAPER CODE : 2634110115

DATE OF EXAM : 16.09.2026

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.	What is Electro-magnetic spectrum? What is Wave length, Principle of production and circuit diagram of Short-Wave Diathermy Write down Indication, Contraindication, Physiological therapeutic effect and method of application.	2 +8+10 20 marks	
Q.2	Write about Russian and Rebox type current. What is Static and Dynamic type of interference system? Define Interferential Therapy, describe principle of production, dosage, method of application therapeutic and physiological effects of Interferential Therapy.	4+4+12 20 marks	
	<u>SHORT NOTE QUESTIONS</u>	2 X 10 = 20 MARKS	
Q3.	What is FG Test, EMG, Biofeedback and SD Curve? Describe Methods of plotting and interpretation of SD Curve.	4+6 10 marks	
Q4.	Describe LASER: - Definition, types, Principles of production, Methods of application and Indication-contraindication.	10 marks	
	<u>SHORT ANSWER QUESTIONS</u>	5 X 4 = 20 MARKS	
Q5.	Phonophoresis.	4 marks	
Q6.	Physiological effect of Magnetism.	4 marks	
Q7.	Indication -Contraindication of Microwave diathermy.	4 marks	
Q8.	Winding up procedure after application of IFT	4 marks	
Q9.	Therapeutic effects of long wave Diathermy.	4 marks	

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BACHELOR OF PHYSIOTHERAPY (BPT) FOURTH SEMESTER EXAMINATION SEP 2026

NAME OF SUBJECT : PHARMACOLOGY

PAPER CODE : 2634110116

DATE OF EXAM : 18.09.2026

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.	What is Pharmacology and its branches? Define drug, what are routes of drug administration and its advantages and disadvantages?	8+2 +10 20 marks
Q.2	What are different groups of drug work as Anti-inflammatory? How narcotic and Steroid drugs are different from non- narcotic and non-steroid drugs? Describe any one group of Anti-inflammatory drugs.	3+3+14 20 marks
<u>SHORT NOTE QUESTIONS</u>		2 X 10 = 20 MARKS
Q3.	Describe drugs acting on myocardium. Describe Antihypertensive drugs.	4+6 10 marks
Q4.	Describe drugs used in Rheumatic arthritis and Osteoarthritis.	4+6 10 marks
<u>SHORT ANSWER QUESTIONS</u>		5 X 4 = 20 MARKS
Q5.	Muscle Relaxants used in Spasticity.	4 marks
Q6.	Drugs used in Asthma	4 marks
Q7.	Oral Hypoglycemic drugs.	4 marks
Q8.	Sedative drugs.	4 marks
Q9.	Antidepressant Drugs.	4 marks

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BACHELOR OF PHYSIOTHERAPY (BPT) **FOURTH SEMESTER EXAMINATION SEP 2026**

NAME OF SUBJECT : FIRST AID AND EMERGENCY CARE

PAPER CODE : 2634110117

MAX MARKS : 80

DATE OF EXAM : 21.09.2026

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.	What are calamities? Describe Natural and man-made calamities. What is its effect on ecosystem? What complication a human life may face due to calamities? Describe management of calamities at different phase.		2+2 +4+4+08 =20 Marks
Q.2	What is primary and secondary survey in assessing Casualty? Which and how vital sign must be examined and monitored in sick person, describe in detail.		6+14= 20 Marks
	<u>SHORT NOTE QUESTIONS</u>	2 X 10 = 20 MARKS	
Q3.	Describe First Aid in Chemical and Thermal Burn		10 marks
Q4.	Describe Principles of emergency care and Triage.		10 marks
	<u>SHORT ANSWER QUESTIONS</u>	5 X 4 = 20 MARKS	
Q5.	First Aid in Heat Stroke.		4 marks
Q6.	First aid materials		4 marks
Q7.	Physiotherapy management in Disaster.		4 marks
Q8.	Bandaging.		4 marks
Q9.	AED.		4 marks

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BACHELOR OF PHYSIOTHERAPY (BPT) **FOURTH SEMESTER EXAMINATION SEP 2026**

NAME OF SUBJECT : PATHOLOGY

PAPER CODE : 2634110118

DATE OF EXAM : 23 .09.2026

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.	What is inflammation, its type and sign ? Describe physiological changes occurs during inflammation in detail.	8+12 =20 Marks	
Q.2	Describe Burn: - causes, types, classification, Rule of Nine, Effects and complication on human body.	20 Marks	
	<u>SHORT NOTE QUESTIONS</u>	2 X 10 = 20 MARKS	
Q3.	What is coronary heart disease? Describe its type ad pathological changes in detail.	2+8 =10 Marks	
Q4.	Describe Shock, its type, phases and clinical manifestation	10 marks	
	<u>SHORT ANSWER QUESTIONS</u>	5 X 4 = 20 MARKS	
Q5.	Definition and Pathological changes of Bronchiectasis.	4 marks	
Q6.	Neoplasm.	4 marks	
Q7.	Psoriasis.	4 marks	
Q8.	Myofascial Pain Syndrome.	4 marks	
Q9.	Pathological changes of Meningitis.	4 marks	