

Registration No:

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Total Number of Pages: one

Course: MPT

SUBJECT NAME: PT in speciality area (Sports Science)

SUB_CODE: 23MPT1S1

(1st Year MPT) Examination: Regular 2024-25 & Supplementary 2023-24 (Admitted Batch)

BRANCH: Allied Science MPT

Q. CODE: A341

Max Time: 3 Hours

Max Marks: 80

Sitting: 1st, 10.00 AM to 1.00 PM

Any Question having parts should be answered as whole at one place only.

Illustrate answer with diagrams wherever relevant / required if any)

Long Answer questions (any four out of six)

Q 1	Discuss in detail the short term and long-term physiological changes associated with aerobic training. describe the principles of improving aerobic capacity	(1 x 15 Marks)
Q 2	Write an essay on balanced diet and its role in nurturing the athletes	(1 x 15 Marks)
Q 3	Describe the biomechanics of running	(1 x 15 Marks)
Q 4	Write an essay on the mechanism of fluid regulation during prolonged aerobic exercise	(1 x 15 Marks)
Q 5	write an essay on ergogenic aids and doping. Briefly comment on the role of national and international bodies in prevention of doping.	(1 x 15 Marks)
Q 6	discuss the role of physiotherapists in the field of sports. how does it differ from that of sports medicine doctor?	(1 x 15 Marks)
Q 7	Short answer questions (any five out of eight)	(5 x 4 Marks)
a)	Runners knee	
b)	Precompetitive meal for a short distance runner	
c)	Cardiopulmonary resuscitation	
d)	Anthropometry	
e)	Pathomechanics of overuse injury of bone	
f)	Care and caution for athlete with asthma	
g)	Biofeedback	
h)	Issues in gender determination in sports	
