

MPT in Sports [1st Year]

BF/2022/04

Review of Basic Sciences (MPS101)

Time: 3 Hours.

Max Marks =80

Note: 1.) *Attempt all questions.*

2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.

3.) NO SUPPLEMENTRAY SHEET SHALL BE ALLOWED/ PROVIDED

4.) The Student must write O.P. Code in the space provided on the Title page of the Answer Book.

Section-A

Note: Attempt any one question which carries 20 marks.

Long Essay

1x20=20

1. Discuss Sciatic nerve under following headings:

[20]

(a) Anatomy of course, relation and muscles supplied by Sciatic nerve

(b) Sciatic

OR

2. Discuss Bones under following heading:

[20]

(a) Composition and function

(b) Histology of bones

(c) Classification of bones

Section-B

Note: All Questions are compulsory. Each question carries 10 marks.

Short Essay

6x10=60

3. Discuss in detail about Pulmonary function test and it's role in sports physiotherapy.

4. Describe briefly Doping and it's types and add a note on Banned drugs and role of Abuse of Amphetamines in sports.

5. Explain about Wallerian degeration.

6. Discuss the role and functions of Parathyroid hormone and add a note on effect of exercise on Parathormone.

7. Explain the physiology of Muscle spindle and effect on UMN lesion on Muscle spindle.

8. Discuss in short about Calcium metabolism and add a note on role of calcium in Bone healing.
