**MPT in Cardio Pulmonary [1st Year]**

BF/2015/09

**Review of Basic Sciences**

### MPC-101

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Discuss the clinical implication of antianginal and anti-arrhythmic drugs in Physiotherapy treatment.

***OR***

2. Discuss various exercise tests. What are the advantage and disadvantage of each test.

## Section-B

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

**Short Essay**. 6x10=60

3. Properties of Nerve Fibres.

4. Discuss Regulation of Breathing.

5. Discuss ECG changes in Arrhythmias.

6. Discuss Cardiac Output.

7. Discuss Biomechanics of Thorax.

8. Discuss the Measurement of Arterial Blood Pressure.

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**MPT in Cardio Pulmonary [1st Year]**

BF/2015/09

**Review of Basic Therapeutics**

### MPC-102

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Describe Balance and its assessment, describe the causes of poor balance and management.

***OR***

2. Describe the deformities of Spine and their orthotic management.

## Section-B

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

**Short Essay**. 6x10=60

3. Describe the assessment of the tightness of hamstring muscles and various stretching techniques.

4. Describe the role of pulsed electromagnetic energy in acute soft tissue injury.

5. Describe lumbar canal stenosis, and appropriate exercise and brace prescription.

6. Describe Respiratory Muscle strength testing.

7. Describe the management of pain in Rib Fracture.

8. Describe the pain management in Reflex sympathetic dystrophy.

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**MPT in Cardio Pulmonary [1st Year]**

BF/2015/02

**Advanced Therapautics and Diagnosis**

### MPC-103

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Describe in detail indications, procedure, clinical importance of BLS.

***OR***

2. Explain in detailed about respiratory therapy in weaning of ventilator in I.C.U.

## Section-B

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

**Short Essay**. 6x10=60

3. Explain in detail indication, procedure and complication of Suctioning technique.

4. Explain the indication, application and delivery devices of oxygen therapy.

5. Write down about the management of Shock.

6. Differentiate between Neurogenic claudication and vascular claudication .

7. Grade of Mobilization.

8. Postural Drainage.

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