**MRI Component and Procedure BVORAD-403**

**UNIT 1**

MRI Systems and Components, Encoding, Data Collection & Image Formation,Image Quality, Signal to Noise Ratio (SNR) Contrast to Noise Ratio (CNR),Spatial Resolution,ScanTime,Trade – Offs, Decision Making,Volume Imaging Uses,Volume Imaging Resolution, Pulse Sequences, Spin Echo Pulse Sequences, Gradient Echo Pulse Sequences, Parallel Imaging Techniques, Mechanism of Flow Phenomena,Various Artifacts and their Compensation

**UNIT-2**

MRI of Head and Neck

1.MRI of Body

2.MRI of Extremities

**UNIT-3**

3.Vascular and Cardiac Imaging

4. Functional Imaging Techniques

5. Contrast Agents in MRI