

## **CERTIFICATE COURSE IN MRI**

**Total Duration** : 6 months

**Need** : Presently two to three years recognised courses are available after secondary school in Radiography which primarily concentrate on conventional radiology with some basic knowledge on CT and MRI.

With increasing installations of MRI in the country it has become essential to start a special 6 months course training the qualified radiographers / technologists to operate / handle and manage MRI studies. The course assumes importance as the MRI technology is complex but at same time has lot to offer to a patient. The number of different type of procedures which can be performed on MRI are many like MRCP, MRA, MRU, Spectroscopy etc. With improvements and advancements in technology the number of these special procedures is increasing everyday further necessitating special course in MRI

## **ANNEXURE - II**

### **Qualification:**

1. Two or three years (Degree / Diploma ) course in Radiography with internship

### **Syllabus :**

1. Principles of MRI imaging
2. QA testing for MRI
3. Basic knowledge on computers
4. Basic knowledge on sequences – When and Where
5. Special Instructions for different procedures
6. Preparation of patient
7. Contraindications of MRI – Absolute and Relative
8. Positioning of patient for various scans
9. Magnetic effects / side effects
10. MRI sectional Anatomy
11. Knowledge about common disease
12. MRI Indications
13. Contrast Agents in MRI
14. Management of contrast reactions
15. Operation of MRI machine
16. How to handle emergencies
17. Magnet Quench
18. Do's & Don'ts in MRI Room
19. MR compatible life saving equipments & their use – When, Where and Why
20. Post processing of the data
21. Filming / Data presentation

### **Proposed Exam Before Certificate Award:**

#### **Examiner :**

1. One Radiologist
2. One Senior Radiographer working on MRI

**Paper 1 :** Theory : 100 Marks

**Paper 2 :** Practical : 200 Marks

Student must pass in both separately.

### **CENTRES / HOSPITALS ELIGIBLE TO CONDUCT THESE COURSES :**

1. Should have 1.5 T or above strength MRI running for last 5 years.
2. At least one Radiologist and one technician should have been working on MRI for last five years
3. Centre should be NABH accredited.