

**RAN-2406121301010501****M. D. (Radio Diagnosis) Examination September - 2025****Paper - I (Set - 3)****Time: 3 Hours]****[Total Marks: 100****સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **M. D. (Radio Diagnosis)**

Name of the Subject :

☛ **Paper - I (Set - 3)**Subject Code No.: **2406121301010501**

Seat No.:

Student's Signature

- Q. 1.** Explain the Principles & Physics behind the working of a MRI Scanner **(20)**
- Q. 2. A.** Difference between advantages & disadvantages of CR& DR System **(15)**
B. Discuss about ALARA Maximum permissible dose & AERB Guidelines and eLORA. **(15)**
- Q. 3.** 1. POC SO ACT **(08 Marks each)**
 2. MRCP
 3. Triphasic CT Scan
 4. Various Fetal medicine calculators
 5. Line focus principle
- Q. 4.** 1. Tube rating **(02 Marks each)**
 2. MRI Quenching
 3. Point of Care Ultrasound
 4. Techniques/ views on Echocardiography
 5. Hysterosalpingography