



**PZ-9142**

Seat No. \_\_\_\_\_

**D. M. R. D. (Part - II) Examination**

**July - 2020**

**Diploma in Radiodiagnosis : Paper - 1**

Time : 3 Hours]

[Total Marks : 100

- 1 Draw diagram of aorta and its branches. Mention about aortic dissection and aortography. **25**
  - 2 Draw diagrams with proper labelling: X-ray interactions with matter, X-ray images intensifier, Autotransformer and Ultrasound transducer. **25**
  - 3 MR spectroscopy and Functional MR imaging. **25**
  - 4 Write short notes on following (5 marks of each) : **25**
    - (a) Generations of CT scan.
    - (b) First trimester ultrasound scan.
    - (c) Doppler physics and Types of doppler USG.
    - (d) X-ray views for: Chest and Abdomen.
    - (e) CR V/s DR.
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