

**RADIODIAGNOSIS**  
**PAPER-IV**

TIME: 3 HOURS  
MAX. MARKS: 100

RDG/D/19/40/IV

**IMPORTANT INSTRUCTIONS**

- This question paper consists of 10 questions divided into Part "A" and part "B", each part containing 5 questions.
- Answers to questions of part A and part B are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets of Part A and Part B are not to be tagged together.
- Part A and Part B should be mentioned only on the covering page of the respective answer sheets.
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write Short notes on:**

**PART A**

1. Discuss indications, technique, management and complications of bronchial artery embolization. 2+2+3+3
2. a) Enumerate various ultrasonic contrast media. 4+3+3  
b) Describe their principle.  
c) Describe in brief their clinical application in evaluation of liver mass lesions.
3. a) Discuss the role of Scintigraphy in cardiac imaging. 4+3+3  
b) Describe various artifacts and interpretation pitfalls associated with this technique.  
c) Describe its role in brief in myocardial perfusion and viability.
4. a) Describe principles and techniques of USG Elastography. 6+4  
b) Describe in detail clinical applications of compression Elastography.
5. a) Describe the basis of BOLD Imaging technique. 4+6  
b) Describe its utility and limitations.

**P.T.O**