

**RADIODIAGNOSIS**  
**PAPER-II**

TIME: 3 HOURS  
MAX. MARKS: 100

RDG/D/19/40/II

**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. a) Describe anatomy of lung on High Resolution Computed Tomography (HRCT). 3+3+4  
b) What are the common patterns of imaging features seen in various interstitial lung diseases (ILD)?  
c) Describe HRCT features of Usual Interstitial Pneumonia (UIP).
2. A 25-year-old presented with life threatening hemoptysis. 2+(4+4)  
a) Draw an algorithm to outline radiological management of such a case.  
b) Discuss in brief imaging features on conventional radiology, CT scan and MRI; and role of interventional radiology.
3. a) Describe the arterial anatomy of carotid vascular system with the help of labelled diagram. 4+6  
b) Discuss the role of Ultrasound and Color Doppler imaging in evaluation of extra cranial carotid occlusive disease.
4. a) What do you understand by the term extramedullary hematopoiesis? 2+3+5  
b) Enumerate its causes.  
c) Discuss its plain film and cross sectional imaging findings.
5. a) Enumerate the causes of acute respiratory distress syndrome. 5+5  
b) Give in detail radiological management of aortic dissection.

P.T.O