RADIODIAGNOSIS

PAPER – III

Time : 3 hours
Max. Marks : 100

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 questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.
- Answer sheet(s) 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 sheet(s).
- 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.

PART A

1. Discuss the pathophysiology of venous incompetence in lower extremity. What are common locations of perforators? Describe technique and imaging features in Doppler examination of venous incompetence in lower extremity. 2+3+5

2. Describe etiopathogenesis of biliary atresia. Discuss the role of ultrasound, MRI and scintigraphy in assessment of biliary atresia. 2+(3+2+3)

3. Discuss pre-transplant imaging in a liver donor. What are common complications after liver transplant? Discuss the role of intervention in treating complications. 3+2+5

4. Write short notes on:
   a) MR tractography
   b) Dual energy scanning in musculo-skeletal system. 5+5

5. Write short notes on:
   a) Carbon-dioxide angiography
   b) Transcranial sonography in stroke. 5+5