RADIODIAGNOSIS

PAPER – III

RDG /D/13/40/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 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 incompetency 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: 5+5
   a) MR tractography
   b) Dual energy scanning in musculo-skeletal system.

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

P.T.O.