

**RADIO DIAGNOSIS****PAPER-III**

TIME: 3 HOURS

RDG/D/20/40/III

MAX. MARKS: 100

IMPORTANT INSTRUCTIONS

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- 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.

**RADIO DIAGNOSIS****PAPER-III****PART - A**

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Write short notes on:**PART - A**

1. a) Enumerate the causes of acute pelvic pain in a young female patient. 4+6
b) Role of imaging in ovarian torsion.
2. a) Describe various causes and role of imaging modalities in male infertility. (3+3)+4
b) Role of sonography in erectile dysfunction.

RADIO DIAGNOSIS**PAPER-III****PART- B**

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Write short notes on:

PART- B

3. Enumerate various causes of post-menopausal bleeding in a 60-year female. Discuss the role of imaging in evaluation of endometrial carcinoma and its management based on staging. 2+(5+3)
4. a) Radiographic, ultrasound and MDCT findings in acute mesenteric ischemia. (2+2+2)+4
b) Role of intervention in this condition.

**RADIO DIAGNOSIS****PAPER-III****PART - C**

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Write short notes on:**PART- C**

5. Draw schematic diagram of anorectal junction on coronal plane, depicting internal and external sphincters. Describe the types of anorectal fistula with the help of a diagram and briefly discuss MR imaging protocol in their evaluation. 3+(3+4)
6. Role of ultrasound, MRI, and scintigraphy in assessment of biliary atresia. 3+4+3

**RADIO DIAGNOSIS****PAPER-III****PART- D**

TIME: 3 HOURS

RDG/D/20/40/III

MAX. MARKS: 100

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Write short notes on:**PART- D**

7. Name various motility disorders of esophagus. Discuss pathophysiology and imaging findings of cardia achalasia. 3+(2+5)
8. Discuss Imaging features of renal artery stenosis on ultrasonography and MR angiography and briefly the role of interventions in its management. 3+3+4

**RADIO DIAGNOSIS****PAPER-III****PART - E**

TIME: 3 HOURS

RDG/D/20/40/III

MAX. MARKS: 100

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Write short notes on:**PART - E**

9. Define pancreatic divisum. Briefly discuss embryological basis with the help of diagram. Describe imaging findings on MDCT, MRCP, ERCP. 2+2+(2+2+2)
10. Describe approach to a patient in renal trauma with a flow chart & discuss the role of imaging with grades of renal injury. 4+6