

RADIO DIAGNOSIS
PAPER-I

TIME: 3 HOURS
MAX. MARKS: 100

RDG/J/20/40/I

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 in brief, the salient CT and MRI features in an acute ischemic stroke patient arriving to the hospital within 6 hours of onset. Suggest an algorithm based approach for confirmation of diagnosis and guiding the management of such a patient. 5+5
2. A young adult patient has presented with unilateral pulsatile proptosis and chemosis after a road traffic accident. What is the probable etiology and how will you confirm the diagnosis by imaging? Discuss the role of radiologic Interventions in managing such a condition. (1+5)+4
3. Discuss in brief, various types of hyperparathyroidism. Describe imaging features of various types of hyperparathyroidism. 5+5
4. Discuss various indications, techniques, advantages and limitations of MRI in imaging of breast cancer. 3+3+2+2
5. Describe various morphological patterns of vertebral body injuries in thoraco-lumbar spine. Discuss role of MRI in the diagnosis and management of such vertebral body injuries. 5+5

P.T.O

RADIOLOGICAL DIAGNOSIS
PAPER-I

Please read carefully the important instructions mentioned on Page '1'

- Answers to questions of Part A and part B are to be strictly attempted in separate answer sheets and the main + supplementary answer sheets used for each part must be tagged separately.
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PART B

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| 6. Enumerate various causes for unilateral painful hip in a 10-year-old child. Discuss the role of imaging in any two pathologies. | 2+8 |
| 7. a) Describe briefly various neurocutaneous syndrome. b) Describe imaging features of von Hippel Lindau syndrome. | 5+5 |
| 8. Discuss the role of HRCT and MRI in the evaluation of congenital sensorineural hearing loss. | 5+5 |
| 9. Discuss basic principles of MR Spectroscopy. Discuss in brief, role of MR Spectroscopy in the evaluation of various brain pathologies. | 4+6 |
| 10. A 14-year-old male presented with fever, pain and swelling of right proximal arm. a) What are the various differential diagnosis? b) Discuss in brief, role of imaging in the evaluation of such a case. | 3+7 |
