

FINAL EXAM
JUNE 2014

NATIONAL BOARD OF EXAMINATIONS

RADIOLOGY**PAPER – I**

RDG/J/14/40/I

Time : 3 hours

Max. Marks : 100

Important instructions:

- 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.

1. What is the basic difference between Neurofibromatosis (NF) Type I and Type II? Discuss the imaging findings in NF II. Briefly describe extra skeletal manifestations and associations of neurofibromatosis. 4+3+(2+1)
2. Enumerate the infrahyoid neck spaces. Discuss the imaging features of pathologies of the carotid space. 4+6
3. Describe with a diagram the cerebral venous system. Briefly discuss the causes and imaging features of cortical venous thrombosis. 3+(2+5)
4. A 40 year old female has presented with loss of vision and instability in gait. Discuss the differential diagnosis and MRI findings in the most probable cause. What is the role of diffusion tensor imaging in this patient. (2+6)+2
5. How would you evaluate a patient of hyperparathyroidism on imaging? Enumerate the findings on plain films, CT and scintigraphy. 4+(2+2+2)
6. Enumerate the causes of pulsatile exophthalmos. Discuss the imaging features of any two conditions. 2+(4+4)
7. Enumerate the haemopoietic disorders which cause marrow changes. Discuss the MR imaging findings on any 2 of these marrow disorders. 2+(4+4)
8. Discuss the imaging features of avascular necrosis of the hip and its differential diagnosis. 7+3
9. What are the causes and imaging features of hypertrophic osteoarthropathy? 3+7
10. A 10 year old child has presented with swelling of the mandible. Enumerate the causes and discuss the imaging findings of any two. 2+(2+6)
