

FINAL EXAM
DECEMBER 2016

NATIONAL BOARD OF EXAMINATIONS

RADIODIAGNOSIS**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 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.*

PART B

6. A previously well 62-year-old woman sustains a subcapital fracture of the left neck of femur following a fall onto the hard ground. The plain film reveals multiple lytic lesions within the pelvic bones and proximal femur. 2+(2+6)
a) How would you evaluate her as a radiologist?
b) Write the differential diagnosis, enumerating the key imaging features of any 2 conditions.
7. a) Enumerate the components of the rotator cuff of the shoulder. 2+8
b) Imaging findings in a patient with rotator cuff tear.
8. A 3-year-old child presents with fever, bleeding from the gums and bone pain. His wrist radiograph demonstrates lucent metaphyseal lines in the distal radius and ulna. Write the differential diagnosis, enumerating the imaging features of any two likely pathologic conditions which may present with this clinico-radiological picture. 2+8
9. Enumerate the conventional radiographic patterns of bone destruction. List differential diagnosis of each. 10
10. State in brief the imaging appearance and clinical significance of the following signs in musculoskeletal imaging: 2.5x4
a) Fallen fragment sign
b) Bone within a bone sign
c) Shiny corner sign
d) Rugger jersey spine
