

FINAL EXAM
DECEMBER 2016

NATIONAL BOARD OF EXAMINATIONS

RADIODIAGNOSIS**PAPER – IV****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) What is "bone age"? | 1+2+4+3 |
| | b) What are the clinical applications of its determination? | |
| | c) Factors which can affect the bone age of a person. | |
| | d) How reliable is bone age from the standpoint of forensic radiology? | |
| 7. | a) Mammography tube - differences with conventional X-ray tube. | 5+5 |
| | b) Aliasing on colour Doppler and its application. | |
| 8. | Role of perfusion imaging, diffusion-weighted imaging and MR spectroscopy in the diagnosis and classification of common intraaxial brain tumors in adults. | 10 |
| 9. | a) Percutaneous trans-hepatic biliary drainage. | 5+5 |
| | b) Chi Square test & its usefulness in clinical research. | |
| 10. | a) Side effects of gadolinium based compounds. | 5+2+3 |
| | b) How does the safety profile vary with compound structure? | |
| | c) What new concerns have been raised against them which might act as a deterrent in their usage even in patients with normal renal function? | |
