

RADIO 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.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

PART B

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| 6. | Depict the anatomy of maxillary sinus using a labelled diagram. Discuss the role of imaging in the diagnosis of mucocele of maxillary sinus. | 5 + 5 |
| 7. | a) Explain the role of HRCT temporal bone and MRI in the work-up of a case of congenital sensory neural hearing loss (SNHL) for a possible cochlear implant.
b) Enumerate the key CT imaging features which must be commented upon from the perspective of a surgeon about to undertake a cochlear implant. | 4+6 |
| 8. | Explain what you understand by the term BIRADS. Enumerate the indications of magnetic resonance mammography. Explain the technique of magnetic resonance mammography. | 3+2+5 |
| 9. | Enumerate the causes of osteoporosis. Discuss the role of plain radiography in the evaluation of skeletal manifestations of hyperparathyroidism. | 4+6 |
| 10. | a) Explain the role of plain radiography in various diseases of the joints.
b) What is the role of ultrasound of joints in the evaluation of a case of rheumatoid arthritis? | 5+5 |
