

**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 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.  | a) Describe in brief anatomy of the shoulder joint.<br>b) Briefly state various MR sequences and planes used to evaluate shoulder joint on MR (Magnetic resonance) imaging.   | 4+6     |
| 7.  | a) What are the causes of hyperparathyroidism?<br>b) Enumerate the finding on Plain film, CT and scintigraphy of primary hyperparathyroidism.   | 4+6     |
| 8.  | a) Enumerate causes of unilateral proptosis.<br>b) Describe briefly imaging findings of optic gliomas and Caroticocavernous fistula.  | 4+(3+3) |
| 9.  | A 40 year old female has presented with loss of vision and instability in gait.<br>a) Discuss the differential diagnosis and MR findings of the most probable cause.<br>b) What is the role of Diffusion Tensor Imaging in this patient?  | 6+4     |
| 10. | A 15-year boy presents with localized swelling and pain of 2 months duration involving right lower thigh.<br>a) What will be its differential diagnosis?<br>b) Discuss Conventional Radiographic, CT and MRI features of the commonest primary malignant bone tumour in this age. | 4+6     |

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