

**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**

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|---|-------|
| 6. Enumerate various MR contrast media. Mention briefly their mechanism of action.  | 4+6   |
| 7. Principle and clinical applications of ultrasound elastography.  | 5+5   |
| 8. a) What are the current indications and limitations of foetal MRI?<br>b) Technique of doing foetal MRI.  | 5+5   |
| 9. a) What are different components of PACS? Discuss one role of each component.<br>b) What are advantages and disadvantages of PACS?                 | 6+4   |
| 10. a) Define contrast-induced nephropathy (CIN).<br>b) Various risk factors associated with CIN.<br>c) What precautions can be taken to prevent CIN? | 2+4+4 |

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