

RADIOLOGY
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 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 MR contrast media for liver imaging.
b) What is contrast induced nephropathy (CIN)?
c) What will you do to prevent CIN? | 4+3+3 |
| 7. | a) Describe the principle of Dual Energy CT.
b) Describe its various applications. | 5+5 |
| 8. | a) What is p value? What is its significance and clinical application in research?
b) What is sensitivity, specificity, positive predictive value, negative predictive value and accuracy? | 3+7 |
| 9. | a) What do you mean by AERB, eLORA and ALARA?
b) How will you minimize Radiation Hazards? | 4+6 |
| 10. | a) Artificial Intelligence in Health care.
b) Discuss its advantages and disadvantages. | 5+5 |
