

**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 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. State the radiological basis of differentiating a mediastinal mass from an intra-pulmonary mass. How would you localize the compartment of a mediastinal lesion? Discuss briefly the differential diagnosis of mediastinal lesions in anterior compartment. 2+3+5
7. Enumerate the radiologically-evident pericardial affections on a chest radiograph. Describe their key radiological findings. 2+8
8. A 65-year-old chronic smoker presents with haemoptysis. The chest radiograph shows a well-defined cavitating intrapulmonary mass with spiculated margins in the left upper zone. How would you further evaluate this patient and determine the extent of disease? What would be the signs you would look for to decide if the lesion is operable? 8+2
9. Describe the changes on a chest radiograph in collapse of different lobes in both lungs. 10
10. How would you decide on the amnionicity and chorionicity in twin pregnancies? Enumerate the various complications that may occur in a twin pregnancy. Describe the various radiological findings in twin-twin transfusion syndrome. 4+2+4

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