

**RADIODIAGNOSIS**

PAPER – I

RDG/D/16/40/I

Time : 3 hours

Max. Marks : 100

**IMPORTANT INSTRUCTIONS**

- ***This question paper consists of 10 questions divided into Part 'A' and Part 'B', each part containing 5 questions.***
- ***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.***
- *Answer sheet(s) of Part 'A' and Part 'B' are not to be tagged together.*
- *Part 'A' and Part 'B' should be mentioned only on the covering page of the respective answer sheet(s).*
- *Attempt all questions in order.*
- *Each question carries 10 marks.*
- *Read the question carefully and answer to the point neatly and legibly.*
- *Do not leave any blank pages between two answers.*
- *Indicate the question number correctly for the answer in the margin space.*
- *Answer all the parts of a single question together.*
- *Start the answer to a question on a fresh page or leave adequate space between two answers.*
- *Draw table/diagrams/flowcharts wherever appropriate.*

Write short notes on:

**PART A**

1. A 36-year-old woman presents with progressive deafness and tinnitus in the left ear. She undergoes magnetic resonance imaging of the brain, which demonstrates a 2cm mass at the left cerebellopontine angle. Enumerating the differential diagnosis, write the key imaging findings for each possible entity. 2+8
2. A 28-year-old man presents with a history of recent head injury and unilateral, painful, pulsatile exophthalmos with reduced visual acuity. 2+3+5
  - a) What possibilities would you consider?
  - b) What imaging protocol would you adopt for this patient, and why?
  - c) Enumerate the key imaging findings for the likely entity.
3. MR findings in a patient of suspected multiple sclerosis. 10
4. A 26-year-old man presents with pain in the jaw. An orthopantomogram demonstrates a radiolucent lesion in the mandible. Write the differential diagnosis using an algorithmic approach while citing the key imaging findings for any 2 possible conditions. 2+(4+4)
5. A 30-year-old woman with a past medical history of spontaneous pulmonary embolus presents two weeks after giving birth with severe headache, vomiting and drowsiness. 3+7
  - a) What imaging protocol would you follow for this patient, and why?
  - b) What would be the key imaging findings?

**P.T.O.**