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**

   4+6

7. Principle and clinical applications of ultrasound elastography.  
   5+5

8. a) What are the current indications and limitations of foetal MRI?  
   b) Technique of doing foetal MRI.  
   5+5

9. a) What are different components of PACS? Discuss one role of each component.  
   b) What are advantages and disadvantages of PACS?  
   6+4

10. a) Define contrast-induced nephropathy (CIN).  
     b) Various risk factors associated with CIN.  
     c) What precautions can be taken to prevent CIN?  
     2+4+4