

M.D. (RADIODIAGNOSIS) : SUMMER - 2018
PAPER – II : CARDIOVASCULAR, RESPIRATORY, GASTROINTESTINAL, ENDOCRINE &
HAEMOPIOTIC SYSTEMS.

Day: **Monday**
Date: **04/06/2018**

S-2018-3400

Time: **2.00 P.M. TO 5.00 P.M**
Max Marks. 100

N.B.

- 1) Q. No. 1 and Q. no. 2 are **COMPULSORY**.
 - 2) Attempt any **SEVEN** questions from Q. no. 3 to Q. No. 10.
 - 3) Figures to the right indicate **FULL** marks
 - 4) Draw neat and labelled diagrams **WHEREVER** necessary.
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- Q.1** What is the pathophysiology of venous incompetence in the lower extremity? (15)
What are the common locations of perforators? Describe the color Doppler findings and interventional procedures which can be done in patients with venous incompetency in the lower limbs.
- Q.2** State the radiological basis of differentiating a mediastinal mass from an intrapulmonary mass. How would you localize the compartment of a mediastinal lesion? Discuss briefly the differential diagnosis of mediastinal lesions in the anterior compartment in an adult. (15)
- Q.3** Chemical shift imaging in the evaluation of adrenal tumors. (10)
- Q.4** Define pulmonary arterial hypertension and its radiological evaluation? (10)
- Q.5** Describe the pathophysiology and evaluation of multiple myeloma? (10)
- Q.6** Pericardial and cardiac calcification. (10)
- Q.7** Role of imaging in diaphragmatic hernias (10)
- Q.8** A 50 years old presents with chest pain, X – ray shows an opaque left hemithorax. Discuss the causes and imaging findings. (10)
- Q.9** Role of ultrasound in the evaluation of thyroid gland pathologies. (10)
- Q.10** Imaging in Budd Chiari syndrome. (10)