D.M.R.D. : **SUMMER - 2018**

SUBJECT: PAPER – I – PHYSICS APPLIED TO RADIOLOGY AND IMAGING INCLUDING CONTRAST MEDIA

Day: Date:	Saturday 02/06/2018	S-2018-3468	Time: 2.00 P.M. TO 5.00 P.M Max. Marks: 100
N.B.:	1) Q.No.1 and Q.No.2 are (2) Attempt Any Seven que Figures to the right indic 4) Draw diagrams WHER	stions from Q.No.3 to Q. No.10. cate FULL marks.	
Q.1	Define Radiographic contrast.	Describe various factors affecting	radiographic (15)
Q.2	•	ribe the anatomy of the subarachn	
Q.3	Attempt ANY SEVEN (Write a short note on high reso	• ()	(10)
Q.4	Radiation safety measures in a	fluoroscopy room.	(10)
Q.5	Physics of tissue harmonic ima	iging and its uses.	(10)
Q.6	Mammographic X ray tubes.		(10)
Q.7	Plain radiography of wrist join	t.	(10)
Q.8	Discuss the radiological anator modalities to study the diaphra	ny of the diaphragm and outline thgm.	ne imaging (10)
Q.9	Discuss the techniques of MR with CT angiography	angiography. Compare its merits a	and demerits (10)
Q.10	Ultrasound of the spine		(10)

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