D.M.R.D.

SONGAD: WINTER-2016

SUBJECT: ANATOMY PHYSICS APPLIED TO RADIOLOGY & IMAGING INCLUDING CONTRAST MEDIA (PAPER - I)

		(PAPER - I)		
Day : Saturday Date : 03/12/2016		Time: 2.00 P.M. TO 5.00 P.M. Max. Marks: 100		P.M.
N.B.:	2) Attempt Al	Q.No.2 are COMPULSORY NY SEVEN questions from Quest	.3 to Q.10.	
Q.1	Describe vario	the help of neat diagrams, and ous views for radiographic dep graphic signs of spondylolysis.	iction of lumbar spine. Enum	tebra. [15] nerate
Q.2	Describe the p	orinciples and radiological app	lications of MR angiography.	[15]
	Attempt ANY	SEVEN of the following:		[70]
Q.3		ly the interactions of ionizing n diagnostic radiology.	g radiations with matter with	ı their
Q.4	Discuss Fast	MR sequences, highlighting th	eir imaging relevance.	
Q.5	Discuss the A	ERB guidelines for X ray esta	ablishments.	
Q.6	Write briefly	on Thermo luminescent dosin	neter.	
Q.7		ef the principle and types on disadvantages.	f digital radiography. Outl	ine its
Q.8	Describe the	principle and clinical applicati	ions of dual energy CT scanni	ng.
Q.9	Define and c	lassify radiographic grids. De	scribe various uses in radiogra	aphy.
Q.10		chnique of contrast parotic How is MR sialography done?		ate its

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Time: 2.00 P.M. TO 5.00 P.M.

Day Date	: Saturday Time: 2.00 P.M. TO 5.00 P.M. : 03/12/2016 Max. Marks: 100	
N.B.:	 Q.No.1 and Q.No.2 are COMPULSORY. Attempt ANY SEVEN questions from Q.3 to Q.10. Figures to the right indicate FULL marks. 	
Q.1	Describe with the help of neat diagrams, anatomy of a typical lumbar vertebra. [1: Describe various views for radiographic depiction of lumbar spine. Enumerate various radiographic signs of spondylolysis.	5]
Q.2	Describe the principles and radiological applications of MR angiography. [1	.5]
	Attempt ANY SEVEN of the following: [7	70]
Q,3	Discuss briefly the interactions of ionizing radiations with matter with their significance in diagnostic radiology.	
Q.4	Discuss Fast MR sequences, highlighting their imaging relevance.	
Q.5	Discuss the AERB guidelines for X ray establishments.	
Q.6	Write briefly on Thermo luminescent dosimeter.	
Q.7	Write in brief the principle and types of digital radiography. Outline its advantages and disadvantages.	
Q.8	Describe the principle and clinical applications of dual energy CT scanning.	
Q.9	Define and classify radiographic grids. Describe various uses in radiography.	
Q.10	Describe technique of contrast parotid sialography and enumerate its indications. How is MR sialography done?	

SONGAD: WINTER - 2016

SUBJECT : CARDIOVASCULAR SYSTEM, RESPIRATORY SYSTEM & GASTRO INTESTINAL TRACT (PAPER - II)

: Monday

Day

Time: 2.00 P.M. TO 5.00 P.M.

Date : 05/12/2016 Max. Marks: 100 N.B.: Q.No.1 and Q.No.2 are COMPULSORY. 1) 2) Attempt ANY SEVEN questions from Q.3 to Q.10. Figures to the right indicate FULL marks. Q.1 Describe the anatomic location and drainage of thoracic lymph nodes. [15] Describe in brief the CT patterns of lymph node involvement in various pulmonary and extra-pulmonary diseases. Q.2 Discuss the role of CT in differential diagnosis of Liver masses. [15][70] Attempt ANY SEVEN of the following: Describe the imaging features of gastric lymphoma. How will you Q.3 differentiate it from carcinoma stomach? Discuss the imaging and clinical diagnosis of Conn's Syndrome. $\mathbb{Q}.4$ Discuss the imaging evaluation in a child with acute abdomen with a flow Q.5 Describe the role of imaging and intervention in portal hypertension. 0.6 Discuss human Calcium metabolism. Compare imaging features of primary Q.7and secondary hyperparathyroidism. Discuss pathophysiology and imaging features of Acute respiratory distress Q.8 syndrome. Enumerate the causes of abdominal masses in neonates. Discuss their imaging Q.9 features in brief. Discuss the causes and imaging features of constrictive pericarditis. Q.10

SONGAD: WINTER-2016

SUBJECT : CARDIOVASCULAR SYSTEM, RESPIRATORY SYSTEM & GASTRO INTESTINAL TRACT (PAPER - II)

Day : Monday

Time: 2.00 P.M. TO 5.00 P.M.

Day : Monday Date : 05/12/2016		Time: 2.00 P.M. TO 5.00 P.M. Max. Marks: 100
N.B.:	 Q.No.1 and Q.No.2 are CON Attempt ANY SEVEN quest Figures to the right indicate F 	ions from Q.3 to Q.10.
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Q.1		on and drainage of thoracic lymph nodes. [15] erns of lymph node involvement in various diseases.
Q.2	Discuss the role of CT in differe	ntial diagnosis of Liver masses. [15]
	Attempt ANY SEVEN of the fo	llowing: [70]
Q.3	Describe the imaging feature differentiate it from carcinoma s	es of gastric lymphoma. How will you tomach?
Q.4	Discuss the imaging and clinical	diagnosis of Conn's Syndrome.
Q.5	Discuss the imaging evaluation chart.	in a child with acute abdomen with a flow
Q.6	Describe the role of imaging and	l intervention in portal hypertension.
Q.7	Discuss human Calcium metab and secondary hyperparathyroid	olism. Compare imaging features of primary ism.
Q.8	Discuss pathophysiology and i syndrome.	maging features of Acute respiratory distress
Q.9	Enumerate the causes of abdom features in brief.	inal masses in neonates. Discuss their imaging
Q.10	Discuss the causes and imaging	features of constrictive pericarditis.

SONGAD: WINTER - 2016

SUBJECT : HEAD & NECK, CENTRAL NERVOUS SYSTEM & GENTOURINARY SYSTEM INCLUDING OBSTETRICS (PAPER - III)

Day Date	: Wednesday : 07/12/2016	Time: 2.00 P.M. TO 5.00 P.M. Max. Marks: 100		
N.B.:	 Q.No.1 and Q.No.2 are COMPULS Attempt ANY SEVEN questions from Figures to the right indicate FULL metals 	m Q.3 to Q.10.		
Q.1	Classify Adrenal tumours and discuss them.	the role of CT and MRI in evaluating [15]	
Q.2	Enumerate various common extra-axial MRI signs of an acoustic schwannoma.	intracranial tumours. Describe CT and [15]	
	Attempt ANY SEVEN of the following	: [70]	
Q.3	Discuss the genesis and imaging feature	s of Hill Sach's lesion.		
Q.4	Describe the anatomy and role of imagin	ng of Ductus Venosus.		
Q.5	Discuss bone destruction patterns in bon	Discuss bone destruction patterns in bone tumours.		
Q.6	Discuss the role of imaging of orbital ps	Discuss the role of imaging of orbital pseudotumour.		
Q.7	Describe the imaging features of congen	Describe the imaging features of congenital dislocation of Hip.		
Q.8	Enumerate various causes of supra-sellar masses. Describe imaging features in craniopharyngioma.			
Q.9	Enumerate the intramedullary neoplasm features.	s of spinal cord. Discuss their imaging		
Q.10	Discuss the radiological anatomy with bone imaging.	role of MRI and HRCT in temporal		

SONGAD: WINTER - 2016

SUBJECT : HEAD & NECK, CENTRAL NERVOUS SYSTEM & GENTOURINARY SYSTEM INCLUDING OBSTETRICS (PAPER - III)

Day Date	: Wednesday : 07/12/2016 Time: 2.00 P.M. TO 5.00 P.M. Max. Marks: 100		
N.B.:	Q.No.1 and Q.No.2 are COMPULSORY. Attempt ANY SEVEN questions from Q.3 to Q.10. Figures to the right indicate FULL marks.		
Q.1	Classify Adrenal tumours and discuss the role of CT and MRI in evaluating [15 them.	5]	
Q.2	Enumerate various common extra-axial intracranial tumours. Describe CT and MRI signs of an acoustic schwannoma.	<u>[</u>	
	Attempt ANY SEVEN of the following: [70)]	
Q.3	Discuss the genesis and imaging features of Hill Sach's lesion.		
Q.4	Describe the anatomy and role of imaging of Ductus Venosus.		
Q.5	Discuss bone destruction patterns in bone tumours.		
Q.6	Discuss the role of imaging of orbital pseudotumour.		
Q.7	Describe the imaging features of congenital dislocation of Hip.		
Q.8	Enumerate various causes of supra-sellar masses. Describe imaging features in craniopharyngioma.		
Q.9	Enumerate the intramedullary neoplasms of spinal cord. Discuss their imaging features.		
Q.10	Discuss the radiological anatomy with role of MRI and HRCT in temporal bone imaging.		