FINA	L EXAM NATIONAL BOARD OF EXAMI	NATIONS	
	2012		
	PATHOLOGY		
	PAPER-1		
	e : 3 hours PAT/ . Marks : 100	PAT/J/12/32/I	
	mpt all questions in order. h question carries 10 marks.		
Write	e short notes on:		
1.	Enumerate the extragonadal germ cell tumors with respect to location.	3+7	
	Discuss the pathogenesis and prognosis of CNS germ cell tumors.		
2.	Pathogenesis of colorectal carcinoma.	10	
3.	a) Familial breast cancer.	5+5	
	b) Diffuse large B – Cell lymphoma.		
4.	a) Describe the pathogenesis of malignant melanoma of skin.	5+5	
	b) Discuss its prognostic factors.		
5.	Epithelial – Mesenchymal Transitions.	10	
6.	Laboratory diagnosis and pathogenesis of myocardial infarction.	10	
7.	a) Classify the vesicobullous lesions of skin.	4+6	
	b) Discuss the role of immunofluorescence in diagnosis of these		
	disorders.		
8.	Non alcoholic steatohepatitis.	10	
9.	Giant cell rich tumors of bone.	10	
10.	Discuss the neuroendocrine tumors of pancreas.	10	

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FINAL EXAM JUNE 2012

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PATHOLOGY

PAPER- II

Time: 3 hou Max. Marks	PAT/J/12/32/II					
	questions in order. ion carries 10 marks.					
Write short	Write short notes on:					
1. a) A	cquired hemophilia	5+5				
b) F	anconi's anemia					
2. Lab o	liagnosis and differential diagnosis of microangiopathic hem	nolytic 6+4				
anem	ias.					
3. a) S	oluble Transferrin receptors	5+5				
b) F	erritin					
4. Discu	ss the classification, pathogenesis and prognostic facto	ors of 3+4+3				
myeld	proliferative neoplasm.					
5. a) P	rotein C deficiency.	5+5				
b) N	inimal residual disease.					
6. a) H	eparin induced Thrombocytopenia.	5+5				
b) H	airy cell leukemia.					
7. Hemo	phagocytic syndromes.	10				
8. a) N	on hematological blood transfusion reactions.	5+5				
b) B	ombay blood group and its significance in blood transfusion.					
9. Role	of flow cytometry in diagnosis of acute leukemias.	10				
10. Role	of bone marrow biopsy in the diagnosis and staging of lympho	mas. 10				

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FINA	EXAM NATIONAL BOARD OF EXAMI	NATIONS	
	2012 PATHOLOGY		
	PAPER- III		
Time :3 hours Max. Marks :100		PAT/J/12/32/III	
	mpt all questions in order. n question carries 10 marks.		
Writ	e short notes on:		
1.	Urine cytology in Renal Transplantation.	10	
2.	Bronchoalveolar lavage in diagnosis of lesions of the lung.	10	
3.	Lab accreditation in India.	10	
4.	a) RT-PCR	5+5	
	b) Tissue microarray		
5.	Describe in detail laboratory investigations in a patient suffering	from 10	
	jaundice.		
6.	a) What are the indications of frozen section examination	and 5+5	
	intraoperative cytology?		
	b) Discuss their advantages and disadvantages.		
7.	a) Describe in brief the newer techniques used in cervical ca	incer 5+5	
	detection.		
	b) What are the advantages and disadvantages of liquid ba	ased	
	cytology?		
8.	Discuss the role of cytology in the differential diagnosis of malig	inant 10	
	salivary gland tumors.		
9.	Define Telepathology. Discuss the guidelines, components, advanta	ages 10	
	and disadvantages of telepathology.		
10.	Discuss the role of cytology in differential diagnosis of a solitary th	yroid 10	
	nodule.		

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FINAL EXAM JUNE 2012

PATHOLOGY

PAPER-IV

Time Max.	: 3 hours Marks : 100	PAT/J/12/32/IV					
Attempt all questions in order. Each question carries 10 marks.							
Write short notes on:							
1.	Discuss the significance of glycated hemoglobin and albumin crea	itinine 10	0				
	ratio as prognostic marker in diabetes mellitus.						
2.	Role of cytokines in acute inflammation.	1	0				
3.	a) Fat embolism	5+;	5				
	b) Differential diagnosis of non-caseating necrotizing granulom	atous					
	disorders.						
4.	Define apoptosis. Mention the conditions in which it occurs and dis	scuss 1+3+	6				
	its mechanisms.						
5.	Hereditary cancer syndromes.	1	0				
6.	a) Describe pathophysiology of tobacco in carcinogenesis of dif	ferent 5+	5				
	organs.						
	b) Enumerate non-carcinogenic diseases associated with tobacco	۱.					
7.	What is angiogenesis? Describe the mechanisms of angiogene	nesis. 2+5+	3				
	Discuss the role of growth factors in angiogenesis.						
8.	a) Opportunistic infections in AIDS.	5+	5				
	b) Turner's syndrome						
9.	Define tumor marker. Discuss the origin and clinical importan	ice of 1	0				
	various tumor markers.						
10.	a) Genomic imprinting.	5+	5				
	b) Type I hypersensitivity reaction.						

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