[LB 114]

OCTOBER 2012 M.D. DEGREE EXAMINATION BRANCH III – PATHOLOGY GENERAL PATHOLOGY

Sub. Code: 2011

Maximum: 100 marks

Q.P. Code: 202011

Time: 3 hours (180 Min)

Answer ALL questions in the same order.

	Answer ALL questions in the same order	Pages	Time	Marks
		(Max.)	(Max.)	(Max.)
I. Essa	y :			
1.	Discuss role of Cytokeratin immune staining profiles in			
	diagnostic anatomical pathology.	9	15	10
2.	Define apoptosis. Enumerate its causes. Discuss mechanisms			
	of apoptosis with suitable examples.	9	15	10
	rt Questions:			
	Discuss Fibrosis- Cancer link hypothesis.	3	8	5
2.	Tabulate discriminant markers in reactive and neoplastic			
	Mesothelium.	3	8	5
	What are the functional consequences of mutation?	3	8	5
4.	Outline the mechanisms of recognition and rejection of	_	_	
	Renal allograft.	3	8	5
	Describe a pulmonary infarct.	3	8	5
	Discuss role of tobacco smoking in Lung Cancer.	3	8	5
7.	Discuss mechanisms responsible for increased vascular	_		_
	permeability in acute inflammation.	3	8	5
	Outline briefly stages of shock.	3	8	5
	asoning Out:			
1.	A 75 years old man admitted to the hospital with severe sub			_
	Sternal chest pain radiating to the arm and the jaw, died on day 5 o	of 5	10	5
	hospitalization due to ventricular arrhythmia. At autopsy, the left			
	ventricle showed a pale yellow area of necrosis involving the			
	posterior wall and the papillary muscles in the region of			
	distribution of the right coronary artery. The type of necrosis is			
	a) Caseous necrosis			
	b) Coagulation necrosis			
	c) Enzymatic fat necrosis	~	10	_
2	d) Fibrinoid necrosis	5	10	5
2.	•			
	Non pruritic erythematous lesions on the neck and the hard			
	palate. Which of the following is likely to be the causative			
	organism?			
	a) Cytomegalovirus			
	b) Epstein – Barr virus			
	c) Human herpes virus	5	10	5
2 /	d) Human Immunodeficiency virus	5	10	5
	A Cholecystectomy was performed on a 50 year old female and as the			
wound was not healing properly she was asked about her diet. Though				
she consumed a diet high in protein she did not eat fruits or vegetable. Which of the following is the most likely cause for the poor yound healing? (PTO)				
'	Which of the following is the most likely cause for the poor wound have a Decreased synthesis of granulation tissues	icanng?		(PTO)
	a) Decreased synthesis of granulation tissues			

b) Decreased synthesis of type III collago	en					
c) Decreased tensile strength of collagen						
d) Defect in fibrillin in elastic tissue	5	10	5			
4. A centrally located lung mass from a 60 year ol	d chronic smoker shows a tumo	ur				
composed of densely packed small round to spin	ndle cells with numerous					
mitoses and areas of necrosis. Which of the following endocrinopathies						
is associated with this type of tumor?						
a) Carcinoid syndrome						
b) Hypercalcemia						
c) Polycythemia						
d) Inappropriate secretion of Antidiu	retic hormone 5	10	5			
IV. Very Short Answers:						
1. What is kit gene?	1	4	2			
2. What is Tumour lysis Syndrome?	1	4	2			
3. What is Kernicterus?	1	4	2			
4. Differentiate Haematuria and Hemoglobinuria		4	2			
5. What are the factors that evoke acute inflamm	ation on					
the gall bladder?	1	4	2			
6. What is the association between interstitial cel	ls of					
Cajal & GISTs.	1	4	2			
7. What is the significance of circulating tumour						
in the blood of patients with breast carcinoma		4	2			
8. What is the inheritance pattern in autosomal d	ominant					
Disorders	1	4	2			
9. What is the mechanism underlying increasing	maternal					
age causing fetal trisomy	1	4	2			
10. What are second malignancies? Categorize the	em 1	4	2			
