Examination for MSc Degree in: Pathology Course Title: PATH 800

Date: 19 /08/2021 Term: Semester 2

Time Allowed: three hours Total Assessment Marks:90



Tanta University
Faculty of Medicine
Department of: Pathology

All questions are to be answered

# Question Marks				
	Marks			
List Examples of Cytogenetic Disorders Involving Sex	9			
Chromosomes. Describe features of one of them.				
Describe the biologic effects of ionizing radiation and highlight	9			
main determinants of these effects.				
List examples of Oncogenic DNA Viruses, and Explain the	9			
manner of inducing tumor formation of one of them				
Explain How cancer cells succeed in EVASION OF IMMUNE	9			
SURVEILLANCE.				
Illustrate how to use immunohistochemistry to differentiate	9			
small round cell tumors.				
Altered cell metabolism has been added as a new hallmark of	9			
cancer; determine the role of metabolic reprogramming in				
carcinogenesis.				
Demonstrate the features of high quality cytology smears. And	9			
what are the stains and special methods may be applied to the				
material on aspirate smear slides?				
As regards Histochemical stains, Give two examples &	9			
application of the following:				
a) Stains for connective tissue				
b) Stains for carbohydrates				
Demonstrate the ground rules for quality application of	9			
IMMUNOHISTOCHEMISTRY IN SURGICAL PATHOLOGY				
Mention pathogenesis and clinical manifestations of cystic	9			
fibrosis and illustrate how to diagnosis it.				
	Chromosomes. Describe features of one of them. Describe the biologic effects of Tonizing radiation and highlight main determinants of these effects. List examples of Oncogenic DNA Viruses, and Explain the manner of inducing tumor formation of one of them Explain How cancer cells succeed in EVASION OF IMMUNE SURVEILLANCE. Illustrate how to use immunohistochemistry to differentiate small round cell tumors. Altered cell metabolism has been added as a new hallmark of cancer; determine the role of metabolic reprogramming in carcinogenesis. Demonstrate the features of high quality cytology smears. And what are the stains and special methods may be applied to the material on aspirate smear slides? As regards Histochemical stains, Give two examples & application of the following: a) Stains for connective tissue b) Stains for carbohydrates Demonstrate the ground rules for quality application of IMMUNOHISTOCHEMISTRY IN SURGICAL PATHOLOGY Mention pathogenesis and clinical manifestations of cystic			

Good Luck,,

Examination for master degree in pathology (first final semester ,

practical)
Course Title: PATH 8001
Time Allowed: 3 hours



Total Assessment Marks: 45

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Questions			Marks
	1.	mention the causes of cell injury	10
	2.	mention the cause of inflammation	10
		what is the sequential steps of phagocytosis what is heparin –induced thrombocytopenia syndrome	10
		mention the factors that influence development of	10
		infarction	10
		mention general features of autoimmune diseases mention the genetic factors causes of SEL	10
	8.	write in brief about pathogenesis and classification of	10
	_	amyloidosis	10
	9.	explain the pathogenesis of edema	10

Good luck