Inflammation.

AzraNaheed Medical College, Lahore

Pathology Department 3rdYear MBBS (SEQ)

	Dateu 20/1/2017	
L	Q-1 A 60 year old man had severe chest pain and was diagnosed with myocardial infarction on serum enzymes and ECG changes.	
	a-What are different phases of healing from necrotic tissue to scar formation and how does	
	1. 1:00 C \ 1 - 1:00 C \ 1 - 1:00 C \ 1. 1	
(b-What are different factors affecting wound healing. (2.5) Injection, medication, Foreign bodies, Debris 0-2 a- A 25 year old man is having cavitating lung lesion. Describe the cross talk between	,
A. A.	macrophage and lymphocyte for formation of a granuloma and draw a granuloma. (2, 1)	
Life (Name four causes of granulomatous inflammation. (2)	
V	Q-3 a-What are different chemical mediators of inflammation? (2) fever, chemotoxis. Stimulate classically activated macro Describe the role of TNF and Gamma interferon in inflammation. (3) hronic granula	phag
	Q-4 a- A 23 years old boy had an accident and burnt his hand. What is the sequence of events in inflammation — vascular cellular by What is the most common event of inflammation after burn injury? (1) Serus inf	amm
	c- What are different methods for killing of bacteria? (1.5)	
V	Q-5 What are different morphological patterns of inflammation. Give one example with	
	each? (5)	
V	Q-6 a A 25 years old male had a surgery done on his hand. After one month the scar became big, what is the diagnosis? (1) Keloid Scar - overgrowth of granulation tissue (collagen type 3) that a replaced by collagen by the behavior of the beautiful tissue and what growth factors are responsible at different phases of healing. (0.5,2) P# 62. Table 2-9	llage type
	c-Describe the role myofibroblasts in wound contraction. (1.5) These have ultrastructural and functional feature of contractile smooth muscle cells. By their presence, large skin defects may be reduced to 5-10% of their original size.	5



Department of Pathology Azra Naheed Medical College Grand Test-1, 06 December 2016 MBBS 3rd Year (SEQ)

(General Pathology & General Microbiology)

Name:	Instructions:	
Roll No:	1. All subjective questions are to be attempted on the paper and returned to the invigilator within specific time after you have received the question paper.	
Date:		
Atten	npt all Questions: Each Question carries 5 marks	
Q-1 a Draw and label t	he cell wall of Gram positive and Gram negative bacteria?	(2)
What is the role of	t to classify Gram Negative rods. of process of fermentation in the respiration of facultative bacteria? on the basis of their temperature requirements.	(1) (1) (1)
affect of antibiotics m (1+0.5)	the bacterial growth curve. During which phase of growth curve is the paximum? Log phase	
© Is lipopolysacchar	rences in the exotoxins and endotoxins. ride exotoxin or endotoxin? What is its chemical composition, location the causation of disease in human beings?	(2) on and (0.5+1)
		e (0.5+1)
<u> </u>	eir medical implications importance -	(1.5)
√. Name two exotoxi	medical implication Resistant form of bacteric n producing bacteria, their mechanism of action and the diseases IX tetrus, diphtheria.	ı.
0.4.0. 1.1. 5.4.70.+. 5.0.	/ to 100/ of normal lavele has wideened offects on many callular	

- (a) Describe it in detail, write down the morphological features as well.3
- (b) What are the major consequences of mitochondrial damage? 2

systems.



Q5)

Department of Pathology Azra Naheed Medical College Term Test, 23 April 2019 MBBS 3rd Year (SEQ)

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Time Allowed: 50 min

Total Marks: 40

Name: Roll No: 46 686 1. All subjective questions are paper and returned to the intime after you have received. Neat hand writing and use outlook and presentation of attempt all Questions. Each Question carried. Attempt all Questions. Each Question carried.	nvigilator within specified ed the question paper. of margins will increase the
Attempt all Questions. Each Question carrie	
	. your paper
O1) (a) What are the types of Necrosis? Give examples with each type.	es 5 marks (1) cell in
et/(a) with a come types of rections? Give examples with each type.	(3) D'82-6
(b) Describe the morphology of any two types with examples.	(2) Divole
Q2) A 35 year old female patient of type 2 diabetes mellitus cut her hand The wound failed to heal even after two weeks	d with knife in the kitchen.
(a) What cause/causes of delayed healing you would suspect in this	patient? (1)
(b) List four local /systemic factors that influence wound healing?	(2)
(c) Trace the steps of healing in this patient.	(2)
Q3) Tabulate difference between benign and malignant tumors.	(5)
Q4)A 45-year-old female diagnosed with acute cholecystitis. Microscopy vall.	revealed neutrophils in the
Describe the sequence of events in acute inflammation. (2.5)	
Name the mediators of inflammation responsible during different	et phases (2.5)

(1.5)

a. Enlist four granulomatous diseases. (2)

Describe the role of TNF- α and IL-1 β in inflammation. (1.5)

b. Draw and label granuloma.





Department of Pathology Azra Naheed Medical College Grand Test 26 February 2019 MBBS 3rd Year (SEQ) (Inflammation, Healing & Repair)

Time Allowed: 50 min

Total Marks: 25

SEQ		
Q.1		
a)	What are the components of acute inflammation? Briefly discuss the steps involve	ed in
	leucocytes recruitment 35	(3)
b)	Briefly discuss the outcome of acute inflammation. 42	(2)
0.2		
a)	What are the principal mediators of inflammation? Briefly discuss from where th	ey are
-,	derived with examples of each	(3)
b)	Enlist leucocyte and endothelial adhesion molecules along with their lignads.	(2)
Q.3		
	r female belonging to low socioeconomic class presented to medical OPD the histo	ry of
	sweats, low grade fever, loss of appetite and persistent cough sometimes with	
	ptysis. Her CBC report revealed 73% lymphocytosis, with raised ESR. Chest X ray re	
fast pi	tory lesion in mid zone of right lung. Microscopic examination of sputum revealed nk bacilli with beaded appearance. He was diagno \mathcal{T}	aciu
a)	What will be the microscopic appearance of this lesion?	(2)
b)	What is macrophage-lymphocyte cross talk?	(2)
c)	Write short note on chemotaxis	(1)
0.4	- 36	
Q.4 Descril	be the difference between healing by Primary Intention and Secondary Intention-	(05)
Q-05		
	ing the Caesarian section, the Gynecologist applied neat surgical sutures to the ir	ncision
Α.	Trace the steps of healing in this patient in chronological order UNS -138	(03)
В.	Give the brief account of systemic factors affecting the wound healing	(02)

Department of Pathology Azra Naheed Medical College Grand Test-, 06 August 2019 MBBS 3rd Year (SEQ)

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Attempt all Questions. Each Question carries 5 marks

V^1	L. A 20 year girl visits her physician complaining of "feeling unwell" with fever, sneezing, chills, muscle ach	ec de
,	cough and sore throat. She has had these symptoms for several days with no significant improvement. T	hara is U/O
· / · ·	similar illness in other family members.	ilete is H/O
	a. Name the causative agent. Is it a DNA of RNA virus?	/1)
	b. Distinguish between antigenic shift and drift. What is the impact of each on disease occurrence?	(1)
,	c. Name the two surface proteins present on this virus and their functions? M. M.	
./2	A 25-year-old man presents to his physician with nausea, weight loss, malaise, jaundice, and right upper	(1)
0	pain. He fell ill a few months following a return from Thailand, where he spent several months. During the	quadrant
\ /	received several extensive tattoos. The physician orders a battery of blood tests including liver enzyme le	is time, he
	viral antigen tests. Liver enzymes were elevated, and Hepatitis B surface antigens were detected.	ivels and
	a. Name the causative agent and whether it is DNA or RNA virus.	(4)
	b. What is window period and which serological marker in the serum is used for diagnosis during the	(1)
	c. Tabulate the other serological markers used for the diagnosis of this viral infection along with the	is time? (2)
/	interpretation.	
√ 3.	A lady with acute abdomen was brought to emergency department and was diagnosed as a case of perfo	(2)
	intestine and ileostomy was carried out. Later that patient developed peritonitis, high grade fever and we	orated nt into
\.	SHOCK.	
7 .	a. Which type of shock the patient has developed?	(0.5)
,	b. Discuss pathogenesis.	(2.5)
	c. Name different types of shock with examples.	(2)
~	4. 70-years old bedridden lady develops swelling of right leg. Color Doppler was carried out which reveal	ed deep
1 -	vein thrombosis. Patient survives the immediate effects of thrombotic vascular obstruction. Treating p	hysician
V	now wants to know the possible of this thrombus.	
1	a. What would be the fate of the thrombus in following days to weeks?	(1.5)
	b. What is the difference between red and white infarcts?	(1)
,	c. Enumerate the three primary abnormalities that lead to a thrombus formation (called Virchow's t	riad). (2.5)
1	An HIV-Positive patient has progressed from fatigue, rash, nausea and night sweats symptoms to	
. 03.	occasional but defined opportunistic infections.	
/		
· /	 ✓ a. Enlist one opportunistic fungal infection, 1 viral infections and one malignancy associate 	d with
	AIDS.	1.5
	 Give the clinical course of disease in development in HIV infection. 	2
	 c. Tabulate the structural proteins and genes of HIV. 	1.5

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