	•		
		, · · ·	
	The most common site of venous thrombosis is:		
	a. Brain.		
	b. Kidney.		
	Legs.		
	d. Liver,		
	e. Lung.		. **
	(.		
	18. "Nutmeg Liver "is seen In:		
	Liver circhosis.	/	
	b. Liver necrosis.		
	c. Chronic passive congestion.	,	
	d. Thrombosis of the portal veins.		
	 Hemorrhage due to liver trauma. 	,	
	10. 46		
	 After returning from camping outing, several childreness cattle and horses were to be in vicinity. The cycle of 	en report watery, greasy and	foul smalling at a 1
	cattle and horses were to be in vicinity. The cycle of stages: the cyst and trophozoite. Which of the follow	the parasite responsible for	this outhern's stools. Deer,
	stages: the cyst and trophozoite. Which of the follow a. Clonorchis sinensis	ving is most likely identificat	ion of this organisms
		/ wentined	ion of alls organism?
	b. Entamoeba histolytica Glardia lamblia	,	
	- I I I I I I I I I I I I I I I I I I I		
	d. Pneumocyctis carini		
	e. Trichomonas vaginalis		
	20 A wagger who		
	 A woman who recently returned from India complain sweating. These attacks last a day or two at a time an 	is of having paraoxysmal atta	ock of chills, fever and
	sweating. These attacks last a day or two at a time and smear shows high level of red blood cell parasitemia.	d recur every 48 hours. Exam	ination of peripheral blood
	smear shows high level of red blood cell parasitemia v following is most likely infecting organisms?	with occasional banana shape	ed gametocytes Which of the
	following is most likely infecting organisms? Plasmodium falciparum	_	and the state of the
	b. Leishmania donovani		
	c. Schistosoma masoni		
	d. Trypanosome gambiense		
	e. Wucheria bancrofti		
			4
	21. Which of the following parasite can be transmitted vert	lanth 2	
	a. connococcus granulosus	ically?	
1	Toxoplasma gondii		
,	c. Glardia lambalia		
1	d. Entamoeba histolytica		
•	2. Trypanosome		
-	2 1-1-5		
- 2	Leishmania donovani causes a disease characterized by fe spienomegaly known as?	ever, weight loss, fatigue, an	amia and bear
	splenomegaly known as?	, and today to tigue, att	errita arid nepato-
a,	and sicklicas		
b.	Dysentery		
	Kala- azar		
d.	Oriental sores		
t.	Malaria		
A .			
J		1	

handberraidili barvum	/			
 d. Enteromona hominis 				- 3
 e. Blastocystis hominis 				
101111112				
24 A vouns mand to				
24. A young married woman complain	s of severe vaginal its	hing with		
24. A young married woman complain mount of vaginal discharge shows	near shanned troub	ming with watery foul sm	elling vaginal discharge	A wet
c. Lindingeda histolytic	Pour snapeu tropnozo	ortes with Jerky motion. W	hat is the causative ag	ant?
b. Giardia lamblia				21161
Trichomonas vaginalis				1 100
d. Entamophe cell	· /			177
antamoeba con	. (1.1
e. Balantidium coli				17
25 You are asked as				
25. You are asked to review an electron an indicator of irreversible injury? 3. Collular odays:	micrograph of a sect	ion of the s		
an indicator of irreversible injury?	- G P. 1 O. D. 3665	on or liver from a chroni	c alcoholic. Which of th	re follow
 Celiular edema 				C TOTAL
 b. Chromatin clumping 				
c. Mitochondrial swelling				1.74
d. Myelin figures	/			
o. Nyum ngures				
Rupture of plasma membrane				
26. A 3rd vons ti				
 A 3rd year medical student is asked to heart of a patient who died of a heart a Central amount or 	write a microsconic	description of		
heart of a patient who died of a heart a a. Central amorphous a cellular eosir	attack Which of the f	description of a coagulat	ive necrosis that was fi	ound in
The second of the second secon		pliowing best describes co	pagulative necrosis?	
o. Eosinophilic cytoniasm with anti-	/			
b. Eosinophilic cytoplasm with cell or Granular, friable mass of materials	Itines preserved.			
Granular, friable mass of material of Localized, solid basephills for the	devoid of cell outlines			
	ith calcification			
e. Necrosis with liquid mass.				
				11
 Which of the following substance has the C5a 	<i>f</i> .	.4		
C50	potential of chemota	actic ability?		1 1
a. C3a	X	recic ability;		
 b. Flucosyltransferase 				144
c. integrins				
d. Selectin				
e. TNF				i
				1
 A 45-year-old man developed right lower of performed and the appendix was swollen, Microscopic section. 				- 1
performed and all the	quadrant abdominal o	ain over the last assistant		1
performed and the appendix was swollen,	erythematous and m	one day	Appendicectomy was	- 1
The observation showed infiltration	A.L.	L' agrered by a AbiiOM	sh exadate.	
predominantly the result of the formation	of which of the of the	nils. The pain experienced	by this patient was	101
predominantly the result of the formation of a. Complement C3b and IgG	of the follow	ing chemical mediators?	, and patient was	14
Histamine and serotonin	1			15
C Prostacion di a serotonin	V			1
c. Prostaglandin and bradykinin				1
Interleukin-1 and tumor necrosis factor				2.0
				-
				. 1 31
.*				
				1 6
				13.50
				4

23. An AIDS patient develop profuse watery diamhea. Examination of stool specimen review is 1921 1. 16 and show

modified Zn positive small 4-6 µm round to oval cysts. The most likely causative agent in

Giardia lambelia Baiantidium coli

c. Cryptosporidium parvum

29 A 16 years old motor		
tope of their was removed. It	boy sustained blunt trauma to his abdomen. At laparotomy, a small portion of inju- we months later, a CT scan of the abdomen showed that the liver had nearly regal	re in
morning size. Writer of the lon	owing processes best explains this CT scan finding?	
a. Apoptosis		
b. Dysplasia	. /	
Hyperplasia	•	
d. Hypertrophy		-
e. Metaplasia		
30 4 20 year old man necessary	*	
accumulations underlies these	th yellowing of the sciera, skin, and oral mucosa. Which of the following	
Bilirubin		
ь. Hemosiderin	/	
c. Lead		
d. Melanin		
e. Silver		
 Which of the following is the me 	ost efficient killing mechanism of neutrophils?	
 Collagenase 	. /	
 Reactive oxygen species 	• /	
c. Protease		
Myeloperoxidase		
e. Defensins		
 A 55 years old man suffered from 	myocardial infarction and worsening congestive heart failure. There is	
dysprices and orthophea for the	last 2 months. Pleural fluid is aspirated. Which of the following characteristics	i
or and make would must likely indi	cate that it is a transudate?	1
a. Cloudy appearance		: [
Low protein content		1
c. Increased lymphocytes		1
d. Presence of fibrin		1.
e. Large size of effusion		
33. Acute inflammation is characterize		i
Neutrophils	о бу	
b. Macrophages		
c. Lymphocytes		
d. Plasma cells		-
e. Epitheliod cells		
and the second		
34. A young man ent a lacerated woung	I on his I-A I it	
removed. Healing at the wound site	on his left arm, which was stitched. A week later the stitches were	
in the next 2 months. Which of the	continued but the site became disfigured by prominent raised nodular scar following best describes the process?	
a. Organization	onowing pear describes the process?	
b. Dehisence	, L	es.
c. Resolution		-
Keloid formation		
e Secondary Union	/	_

35. A 40-year-old man incurs a burn injury to his hands and arms while working on a propane furnace. Over the next 3 weeks, the burnt skin heals without the peed for skin grafting. Which of the following is the most critica factor in determining whether the skin in the region of the burn will regenerate? Good cardiac output with tissue peffosion Persistence of skin appendages Maintenance of underlying connective tissue Diminished edema and erythema e. Granulation tissue formation 36. A 38 year old lady presented with difficulty in swallowing and a huge neck mass. The mass was excised and was found to be a papillary carcinoma thyroid. Histologic details included papillary structures with hyperchromatic nuclei, prominent nucleoli and scattered bluish structures labeled as psammoma bodies. Which is of the following is the basic defect producing these psammoma bodies. Bacterial infection b. Dystrophic calcification c. Inflammatory necrosis d. Metastatic calcification Viral Infection. 37. A 56 years old man with history of chronic alcoholism has notice weight loss of about 6 kgs in last 5 months. Physical exam reveals no masses or lymphadenopathy. Alpha fetoprotein levels are raised in blood. Diagnosis? a. Prostatic CA Lung CA c. Multiple Myeloma "HCC Pancreatic CA

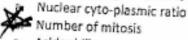
38. A 36 years old female has a small pigmented mass on her upper chest. She gives history of having this for a very long time. It is 0.5 cm large dark, non tender, raised with smooth surface. The tumour is arising from a blood vessel. Diagnosis?

- Adenoma
- b. Fibroma

Hemangioma

- d. Hamartoma
- e. Nevus

39. Regarding staging of tumour, What is important?

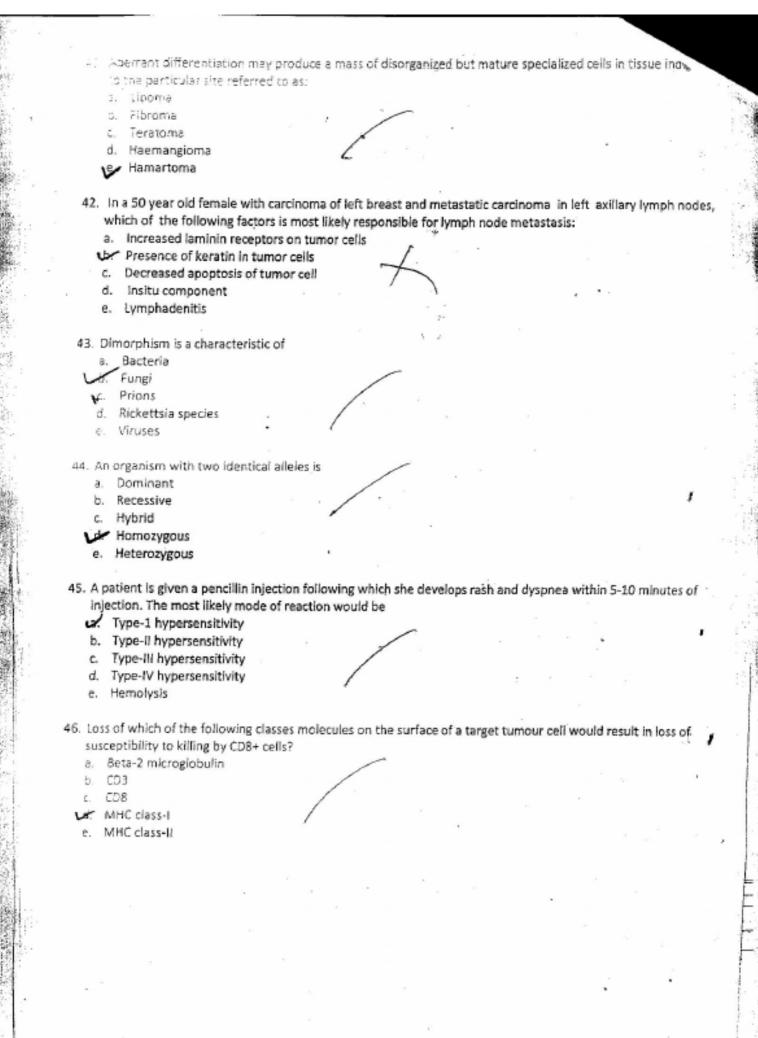


- Acidophilia
- d. (Tumour size
- e. Nuclear-pleomorphism

40. Proto-oncogenes (growth promoting genes) are all EXCEPT

W. (P53

- b. EPGF
- EPFG receptor
- d. RAS protein
- e. C-Myc



	447. A	76 years old elderly	formale add - h				
	d	76 years old elderly leveloping fever. Sus	nerriale come to	you after she st	arted feeling pal:	in her prosthetic	hip joint and
	0	leveloping fever. Sus rganism?	peccing staphylog	occus epidermi	dis infection, wh	at is the most likely	source of this
	a.		7				
	b.	Mouth					
		Skin		/			
	d.	Stomach					
		Vagina					
		J		4.			
	48. In 1	the gram stain proce	Musa bactaria es				
	is p	the gram stain proce performed to:	dore, pacteria re-	exposed to 959	6 alcohol or to ar	alcohol/acetone p	mocedure. This s
	a.	Adhere cells to slide	2				
	ь.	Retain purple dve w	ithin hacteria				
		Disrupt outer cell m	embrane so that	the number due		•	
		THE PERSON NAMED IN CO. LAND.	ULI IDDIDE SOUTEER			a	
	e.	To facilitate entry of	purple dve into a	ram negative b	actorio		
	49. A yo	oung over enthusiasti	c science student	took a culture	of his hardebooks		
	was	oung over enthusiasti informed after 24 ho ried and went to his p	ours that it has gro	owth of Stanbyl	or his riealthy ski	n from the dorsum	of his hand. He
	work	ried and went to his p Normal human skin:	physician and was	told not to wo	because piderm	idis, and diphthero	ids. He was
			flora		y, because the l	growth was:	
	Ь.	Transient skin flora		- / .			
	C. 1	Pathogenic skin flora		/			
	a. r	Normal flora of the co	olon				
	e. 5	Saprophyte					
	charac a. Blo b. Ma c. Cho	ria can be cultivated on and pH help for be- steristics? cod agar ccConkey's agar pcolate agar trient agar oked meat medium	on artificial media tter growth of bac	a which provide cterial colonies.	nutritive ingredi Which of the fol	ents to them. In ad lowing media is ha	d (57 5), een (77 77 78 15 5
	F 0						
. 51.	For Steri	ilization of heat sens appropriate?	itive surgical instr	uments and sut	ures, which of th	e following starilis	**!
	a. Biph	enol				e ionowing sternit	ation method
	b. Form		/				
L		lene oxide					
1	d. Acraf		/				
		ian violet					
52. li	nfection i	that spread rapidly o	iver large areas of	f the globe			
Ь			/				
c.							
d.		tunistic infection	0				
e.	None o	of above	1/				
			/				

	53 The structure short of	
	8. Cancula	n gram negative bacteria but not in gram positive bacteria is a
	b. Cell wall	
	L'Abresine Dellinigue	
	d. Endospore -	. /
	Outer membrane	(.
	 A diphtheroid gram-positive re 	od may develon into a sayl
	bacteriophage infection. Trans	od may develop into a pathogenic Corynebacterium diphtheria by means of a sfer of a donor chromosome fragment t by a temperate bacterial virus is defi
	as which one of the following?	a donor chromosome fragment t by a temperate bacterial virus is defi
	a. Competence	
	 Conjugation 	The state of the s
	c. Recombination	
	Transduction	
	e. Transformation	*
	· · · · · · · · · · · · · · · · · · ·	
	55. An HIV patient asks	
	test will be seed to	an tell him chances of his progressing to active disease. Which active
	a CD4 harabase	an tell him chances of his progressing to active disease. Which of the following
	 Cut lymphocyte count 	Λ.
	b. HIV antibody test	
	c. HIV RT-PCR	
	d. Neoptrin	
	HIV P24 antigen.	. \
_		
50	5 year old presents at physicians of	office with symptoms of conjunctivitis, low grade fever and Koplik's spots. The
	causative agent belongs to which	viral group. Viral group.
	a. Adenovirus	0.74
,	Paramyxovirus	
	 Orthomyxa virus 	/
	d. Herpes virus	
	e. Picornavirus.	*
		• •
57,	A young boy was received in emerg	gency department with history of fever, malaise, headache and cough. Along
	with that he had joint and muscle n	pains. On examination a macula-papular rash was observed on his body. His
	labs showed leucopenia, increased if	hematocrit and decreased platelet count. The most likely virus would be:
	Yellow fever virus	nematocht and decreased platelet count. The most likely virus would be-
	b. Dengue virus	/
,	c. West Nile virus	
	d. St. Louis encephalitis virus	
	California encephalitis virus	
	osmorna encephantis virus	
58. V	What is a mass of formed st	
a.	Vhat is a mass of fungal filaments cal . Pseudohyphae	lled?
ь.		
	- Thursday	/
Ψ,	Mycelium	
ď.	Septum	
C,	Yeast	

59. A non-compliant, human immunodeficiency virus (HIV)-positive patient has been complaining of a stiff neck and a severe headache. The headache was initially lessened by analgesics, but the analgesics are no longer effective. His corrent CD4+count is 180/mm3. He is not on any prophylactic drugs. What is the most likely causative agence.

- Cryptococcus
- c. Candida
- d. Malassezia
- e. Sporothrix

60. A hospital worker is found to have hepatitis 8 surface antigen. Subsequent tests reveal the presence of "e antigen" as well. Which of the following best describes the worker?

- Is infective and has active hepatitis
- is infective but does not have active hepatitis
- c. Is not infective
- d. Is evincing a biologic false-positive test for hepatitis
- e. Has both hepatitis Band hepatitis C



1 Sendup

OR COLLEGE, LAHORE

3rd PROFESSIONAL MBBS Annual EXAMINATION 2018 PATHOLOGY

Roll No. CIS-68

Time Allowed: 2 hours -

Instructions

- Attempt all questions.
- All question carry equal marks.
- The SEQ's part is to be submitted within 2 hours, Extra time will not be given.
- Neat Hand Writing use of margin and marker for headlines will increase the presentation of you?
- Do not write your name or disclose your identity in anyway.

Q-No: 1. A 45-year-old man is referred because of a recent diagnosis of hereditary hemochromatosis.

- a) Which pigment is accumulated in such a condition?
- Enlist any FOUR other intracellular accumulations with their associated diseases.

Q-No: 2. A 12-year-old boy presents with a 24-hour history of severe abdominal pain, nausea, vomiting, and low-grade fever. The pain is initially periumbilical in location but has migrated to the right lower quadrant of the abdomen, with maximal tenderness elicited at a site one third between the crest of the ileum and the umbilicus (McBurney point).

- a) What is the type of inflammation?
- Enlist functions of all major complement proteins in inflammation.

Q-No: 3. A 47-year-old man presents with pain in the mid portion of his chest. The pain is associated with eating and swallowing food. Endoscopic examination reveals an ulcerated area in the level portion of his esophagus. Histological sections of tissue taken from this area reveal an ulceration of the esophageal mucosa that is filled with blood, fibrin, proliferating blood vessels, and proliferating fibroblasts.

- a) Which term would best define such tissue?
- Enlist any TWO major differences between Primary and secondary healing.

Q-No: 4.

- Enlist any THREE Tumor suppressor genes with their associated Tumors.
- b) How does a p53 gene work? Briefly describe in your own words.



G-No: 5. A24-year-old woman who had previously been uneventfully remains during surgery and shortly thereafter develops itching, generations, and dyspaces with wheezing respiration. She has a past history of recurrence infections and frequent episodes of diarrhea

- a) Laboratory studies are most likely to reveal decreased concentrations communoglobulins?
- b) Enlist any FOUR classical examples of type II hypersensitivity reaction.

Q-No: 6. A 34-year-old male, arrives at a local health clinic, complaining that he has fever, and lost over 10% of his body weight in the last month. He also has a cough that produced rusty colore a sputum. The physician orders for x-ray chest, sputum examination, and a tuberculin test. He was living with a room mate positive for tuberculosis about 6 months ago.

- a) Based on the symptoms and the laboratory results, which infectious disease does the patient suffer? What is the agent?
 2
- b) What is tuberculin skin test?

G-No: 7.

- Give classification of medically important bacteria on the basis of their oxygen requirement giving two examples of each type.
- y b) Name any four groups of medically important bacteria that cannot be seen in gram stain preparation and explain why?

6-No: 8. A 4-year old boy was brought by her mother to emergency department with bloody diarrhea, fever and vomiting for about 24 hours. The child had a lunch of beef burger, fries and cola 4 days earlier. On examination, the child had a temperature of 39°C and showed physical signs of dehydration. Blood examination showed evidence of greatly reduced kidney function and lysed red blood cells.

- a) What is the most likely diagnosis?
- b) What is the most likely causative agent?
- Give pathogenic factor and its mechanism in causing the problem.

Q-No: 9, 24 years old male presents with fever and chills in ER. His peripheral blood film reveals ejescent shape garnetes. He was given treatment and discharged from ER. 4 days later he again presented in ER with alfered consciousness and mental confusion.

- a) What is your diagnosis now?

 b) Name the causative organism?

 1.5
- Give 2 important complications of the parasite.

10	Poliomyelitis being an acute and having serious effects on CNS. In spite of a very	large	
paigr	it is still not possible to eradicate the disease completely in Pakistan.		
a) 1	What different types of polio vaccines so far have been used for the prevention and	contri	lo lo
	his disease?	`	2
b) (Compare the advantages and disadvantages of killed and live polio vaccines.		- 3
No: 11	. A 65 years old man is diagnosed with malignancy of liver. His occupational histo	iry	
vealed	that he had been working with vinyl chloride in a plastic industry.		
5	What is the most likely malignancy?		, !-
b)	Name four occupational cancers with associated carcinogens.	0	2
c)	Name four oncogenic viruses.		. 2
No: 1	Compare features of autosomal dominant with autosomal recessive disorders.	Ŀį	5
-No: i	 An 85 years old male admitted in emergency with paraplegia dies suddenly. Or 	autops	· ·
use of	death was declared as <u>pulmonary embolism</u> . Source of embolus was deep vein the	rombus	in
e leg	vein.		
(2)	What is the pathogenesis of thrombus formation in this patient?	3	3.
√ 5)	Briefly describe the fate of thrombus.		. 2
-No: :	 A patient with suspected brain abscess was admitted in neurosurgery ward. 	The at	scess
vas dra	tined and pus was sent for culture and sensitivity. The isolate on blood agar is beta	haeme	slytic,
	ositive cocci with positive catalase and coagulase test.		
	What is the most likely organism?		1
	Name any four other typical disease produced by this organism.		2.
c)	Enumerate any two cell wall component with their importance in pathogenesis.		. 3
Q-No:	15. A 15 year old pathan boy presented with history of fever, wt loss, multiple	nodule	s aver
kin w	ith dark discoloration of skin, on examination he had mild splenomegaly and his	CBC re	ycaled
	and thrombocytopenia.		
a)	What is your most likely diagnosis?	1.	4
	How will you confirm your diagnosis?		

.



Department of Pathology Azra Naheed Medical College Sent up 2018 MBBS 3rd Year (SEQ)

1518 188

Time Allowed: 2 hour

Name: Roll No:

Instructions:

- All subjective questions are to be attempted on the paper rese returned to the invigilator within specified time after you have received the question paper.
- Neat hand writing and use of margins will increase the outlook and presentation of your paper.

Attempt all Questions. Each Question carries 5 marks

- a. Draw and label the bacterial growth curve. 3
- b. Name the mechanisms of transfer of bacterial genetic material?
- A 54-year-old patient presents with a persistent cough, hemoptysis, and weight loss. A sputum sample is collected that has a positive acid-fast stain.
 - a. What is your diagnosis?

b. Give its pathogenesis.

- Several students of a primary school in a village fell ill. All of them were admitted to local haspital following vomiting and diarrhea. Purging was effortiess and the feces were of fishy smell and ricewatery.
 - a. What is your diagnosis?

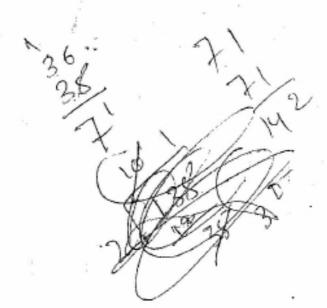
- b. What is its mode of transmission? 1
- c. What is the pathogenesis of it?
- A 3-year-old girl was brought to the emergency room by her parents because of fever and loss of appetite for the past 24hrs and difficulty in arousing her for the past 2 hours. Her temperature was 39.5°C, pulse 130/min, and respiration 24/min. Blood pressure was 110/60mmhg. Blood was obtained for culture and other laboratory tests. Lumbar puncture was performed in less than 30 minutes after the patient arrived in the emergency room. The CSF aspirated was cloudy. Gram staining showed numerous polymorphonuclear cells along with gram negative diplococci.
 - Name the disease & the causative agent. (1)
 - b. What are the differences in the CSF of viral, bacterial and tuberculous meningitis? (2)
 - c. Name one organism each causing meningitis in following age groups:
 - Neonates
 - children and Adults (1)
 - d. Enumerate two differences between gonococci and meningococci. (1)

5, A 40 ve	ars old man com-I	nint of f					
blood exam	ars old man compl ination revealed h	aint of feve leb levels o	r, vomiting, an	orexia and de	ep yellow c	oloured urin	ie
,high,			, 5001, 5GF1 6	k alkaline phos	sphatase, th	e direct bili	rubin :
. a. N	ame the viruses ca	using hepat	titis (1)			**, 1	
D H	ow can you confirm	the type v	riral infection b	y serologies (3	3)		
c. Na	me the complicati	ons (1)			,		
6. a Define	septic shock. (2)	:			w.		
b. Explain	the patho-physio	logy of sho	ck. (3)				
7, a. Name	the tapeworms. 2			the same of the sa			
b. Descri	be the life ovels. In	homeen d			-		
1	be the life cycle, la	poratory di	agnosis of Ech	ionococus grar	nulosis. 3		
A 65 year	s old women atten	ds the hoer	nital misk to	. 1		-	
hypochondrie	s old women atten im for 10 days. She	is diagnose	ordan with breas	st lump for the	last 6 mon	ths and pair	in righ
	the flowchart of the e the various types			atogenous spr	ead of tumo	or (3).	
_	rainous types	or carcino	genic agents.	,		(2)	
9.) A 40 year o	ld obese looking m	an wha la a	J				
chronic cough	ld obese looking m and weekness. On	investi	chain smoker	comes to the	hospital wi	th a history	of
		THE PERSON NAMED IN	via, the is distribute	DEBM to boule a	- u-1		
	Lea - Higher Stall	/ DV Darane	ADDIDCTED MANAGE	Auto-7 Ct. 1.		(3)	
			- probled syrical	State of the its	examinibles.		
. b. Name	tne various labora	tory diagno	stic procedure	es for neoplasi	a. (
_		cory magno	ostic procedure	es for neoplasi	a. (2)	
10) A 40 year o	ld female gives bir	th to a chile	Stic procedure	es for neoplasi	a. (2)	
10 A 40 year o	ld female gives bir	th to a child	stic procedure with flat facia retarded child	es for neoplasi	a. (jue palpebra	2)	d
10 A 40 year o epicanthic folds a. What is	Id female gives bir . He grew up to be the expected und	th to a child a mentally	with flat facial retarded child	es for neoplasi il profile, obliq i.	a. (2) al fissure an	d
10 A 40 year o epicanthic folds a. What is	Id female gives bir . He grew up to be the expected und	th to a child a mentally	with flat facial retarded child	es for neoplasi il profile, obliq i.	a. (2) al fissure an	d
A 40 year of epicanthic folds a. What is b. Describ	ld female gives bir . He grew up to be the expected unde e the mechanism o	th to a child a mentally erlying chro f developm	d with flat facial retarded child mosomal abnoted of this gen	es for neoplasi il profile, obliq i. ormality in this netic abnormal	a. (jue palpebra s child? (2) lity? (3)	2) al fissure an	
A 40 year of epicanthic folds a. What is b. Describ	Id female gives bir i. He grew up to be the expected unde the mechanism o	th to a child a mentally erlying chro f developm	with flat facial retarded child mosomal about tent of this ger	es for neoplasi il profile, obliq i. ormality in this netic abnormal	a. (jue palpebra s child? (2) lity? (3)	al fissure an	
A 40 year of epicanthic folds a. What is b. Describ A 50 year of are the factors v	Id female gives bir i. He grew up to be the expected unde the mechanism of d woman had fract which lead to non-h	th to a child a mentally erlying chro f developm ture of her to realing of th	d with flat facial retarded child mosomal abno nent of this gen femur. After 1 ne fracture?	es for neoplasi il profile, obliq i. ormality in this netic abnormal month, closed	a. (jue palpebra s child? (2) lity? (3) f reduction (5)	al fissure an was done, v	
A 40 year of epicanthic folds a. What is b. Describ A 50 year of are the factors v	Id female gives bir i. He grew up to be the expected unde the mechanism of d woman had fract which lead to non-h	th to a child a mentally erlying chro f developm ture of her to realing of th	d with flat facial retarded child mosomal abno nent of this gen femur. After 1 ne fracture?	es for neoplasi il profile, obliq i. ormality in this netic abnormal month, closed	a. (jue palpebra s child? (2) lity? (3) f reduction (5)	al fissure an was done, v	
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New year old girl is brought to the emergency with severe respiratory difficulty and wheeler is a flour after intake of fish. There is history of similar episodes in the past.

- a. Name the type of hypersensitivity reaction involved. (1)
- b. Name two preformed and two newly synthesized mediators of mast cells and their actions. (4) 15. A 62 years age smoker have severe arthritis and on immunosuppressive therapy, lung biopsy shows septate hyphae that form v shaped branches, agar shows couldla with spores in radiating column.

a.	What is the diagnosis	(1)
<0°	Mode of transmission	(1)
°C.	Pathogenesis	(3)







Department of Pathology Azra Nabeed Medical College Send up 2018

Send up 2018 MBBS 3rd Year (MCQ)

Time Allowed: 60 min

(Ub)

Total Marks: 60

Name: Musaz Ali

Roll No: FIS - 147

Date:

Instructions

- All objective questions are to be attempted on the paper and raturned to the invigilator within specified time after you have received the question paper.
- Any outlings or overwriting in answering the objective part will out be accepted and no marks will be given even if the answer; is correct.
- 1. A 20-year-old male is brought to the emergency department with a 1-day history of delirium. He had a sustained fever of up to 102°F and a history of progressive headache, myalgiz, and constipation which began 10 days previously. Physical examination revealed hepatosplenomegaly, diffuse abdominal tenderness, and red rose spots on the chest and neck. Colonies of a Gram-negative bacillus that produced a characteristic "fish-eye" growth (lactose non-fermenter with sulfur reduction). What is the most likely diagnosis?
 - a. Cholera
 - b. Hemolytic uremic syndrome
 - c. Shigellosis
 - d. Tularemia
 - Typhoid fever
- Escherichia coli cause disease by a variety of different methods. Which one of the following E. coli types is characterized by the presence of LT (heat-labile) and ST (heat-stable) proteins?
 - Enteroinvasive (EIEC)
 - Enterotoxigenic (ETEC)
 - c. Enterohemorrhagic (EHEC)
 - d. Enteropathogenic (EPEC)
 - e. Escherichia coli having P pili
- 3. A 48-year-old male has benign prostatic hyperplasia for which he gets intermittent catheterization, develops fever. The pH of urine sample is 8. The bacterium isolated from the urine is a urease-positive, highly motile, non-lactose fermenter, Gram-negative bacillus belonging to Enterobacteriaceae class. What is the most likely complication of this infection?
 - Deposition of antigen-antibody complexes in the glomeruli.
 - D. Formation of kidney stones
 - c. Development of prostatits
 - Development of epididmitis
 - Rapid dissemination throughout the body causing septicemia

 pasteriors was isolated from the CSF of a newborn that died of meningitis. The vagina of the mother was: with each with the same isolate as determined by culture and sensitivity and capsular antigen testing. The microfe moved recrose fermenting colonies on MacConkey agar at ambient atmospheric conditions. What is the most tikely etiologic agent? Escherichia coli b. Group 8 Streptococcus type Hemophilus influenzae type b d. Neisseria meningitides sero-group b e. Streptococcus pneumoniae (encapsulated variety) 5. Which of the following bacterial agents has the lowest infective dose for producing gastrointestinal disease in the human host? Enteropathogenic Escherichia coli Enterotoxigenic Escherichia coli Salmonella (non-typhoid serotypes) Shigeila dysenteriae e. Vibrio cholera A patient presented with fever after 2 weeks constipation. On examination abdomen was tender, with

sed color macules over it. Spleeri was enlarged. Which of the following investigation would most likely to

A patient presented in emergency with third degree burns. Treatment was started. After 6 days there was green colored pus which was seen in his wound dressing. Name the organism causing this infection;

8. Which of the following organisms can contaminate respiratory equipments?

Which of the following is the reaction of proteus on TSI?

alkaline slant/ acid butt/ Gas(-)/ H2S (+)

b. alkaline slant/ negative butt/ GAS (+)/ H2S (-)

c. acid slant/ alkaline butt/ GAS(+)/ H2S(-)

d. acid slant/ alkaline butt/ GAS(-)/ H2S (-)

e. Alkaline slant/ alkaline butt/ GAS(-)/ H2S(-)

reveal the organisms in first two weeks of illness

a. stool culture

G. Blood culture

c. Urine culture

e. ELISA

b. Proteus
c. E.coli
d. Bacteroides
e. Serratia

d. Bone marrow culture

a. Staphylococcus
 b. Enterobacter
 c. Pseudomonas
 d. Klebsielia
 e. Enterobacter

	Organisms producing swarming motility on blood agar is: Klebsielle
	in evaluating
	Proteus .
	c. E.coli
	d. Pseudomonas
	e. Bacterioldes
	ι
	11. Generalized edema results from all the following EXCEPT:
	• Sternic Hypertension.
	Congestive heart failure.
	c. Liver cirrhosis.
	d. Nephrotic syndrome.
	e. Hyperaldesteronism.
	12.0:
	12. Disorders that predispose to thrombosis include all of the following EXCEPT:
	b. Pregnancy,
	c. Vitamin K deficiency.
	d. Sickle cell anemia.
	e. Oral contraceptive pills.
	12 Which of the control of the contr
	13. Which of the followings is the mechanism of edema in patients with congestive heart failure? a. Decreased plasma oncotic pressure.
4	a. Decreased plasma oncotic pressure. b. Fodesic Plasma oncotic pressure.
	b. Endothelial damage.
	c. Increase hydrostatic pressure.
	Increase vascular permeability.
	e. Lymphatic obstruction.
	24. What is the most as
	 What is the most common site of origin of thrombotic pulmonary emboli? Lumen of left ventricle.
	Deep leg veins.
	c. Lumen of right ventricle.
	d. Mesenteric veins.
	e. Superficial leg veins.
	or superficial leg veins.
	15. Dependent edema found in account
	 Dependent edema found in congestive heart failure is most likely due to: Lymphatic obstruction.
	Increase hydrostatic pressure.
	c. Arteriolar dilatation.
	d. Reduced plasma oncotic pressure.
	e. Endothelial injury.
	mjary.
	16. Infarcts tend to be hemorrhagic when they occur in:
	a. Kidney,
	b. Lungs.
	c. Spleen,
	d. Heart.
	Brain,
	· ·