

Dopartment of Pathology Azra Nahoad Modical College gond up 2018 MBBS 3" Your (MCQ)



otal Marks: 60

Someg pa sanarilan.

Time Allowed: 60 min

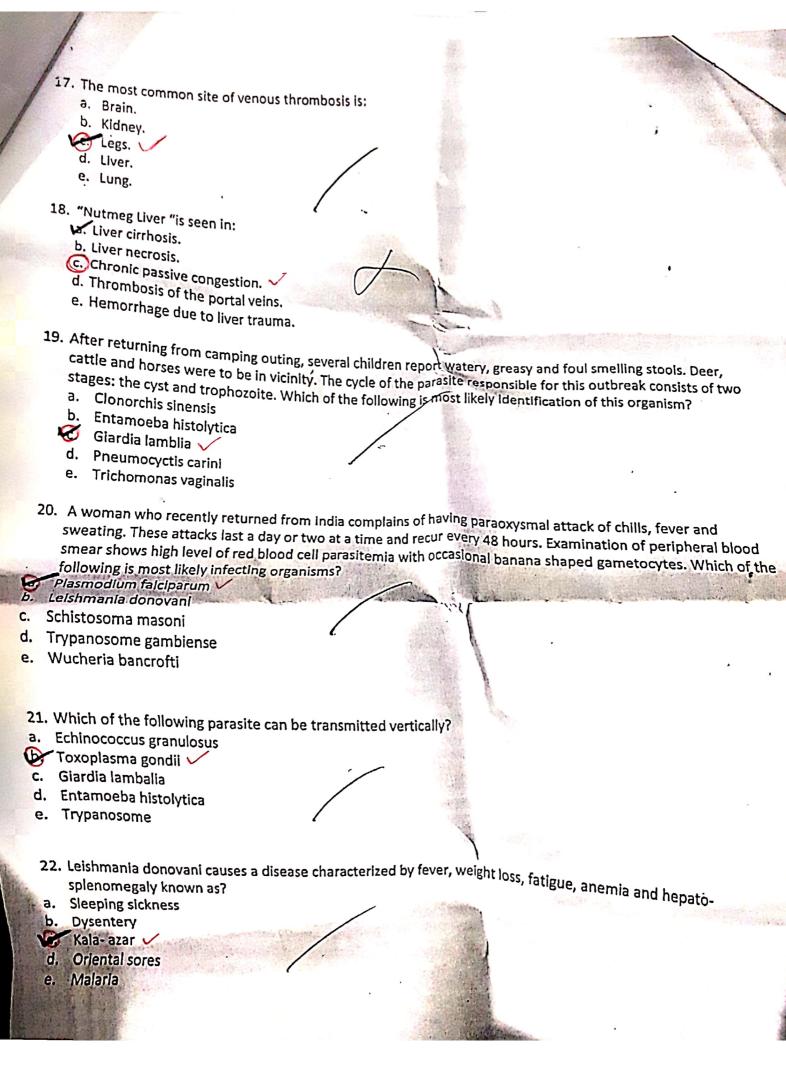
Name: Muanz Ali

Date:

- 1. All objective questions are to be attempted on the paper and All objective questions within specified time after you have received the question paper.
- Any cuttings or overwriting in answering the objective part will not he accepted and no marks will be given even if the answer is
- 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, myalgia, 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?
 - a. Enteroinvasive (EIEC)
 - ♠ Enterotoxigenic (ETEC) ✓
 - c. Enterohemorrhagic (EHEC)
 - d. Enteropathogenic (EPEC)
 - e. Escherichia coli having P plli
- 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?
 - a. Deposition of antigen-antibody complexes in the glomeruli.
 - Formation of kidney stones 🗸
 - c. Development of prostatits
 - d. Development of epididmitis
 - e. Rapid dissemination throughout the body causing septicemia (

, A		
4.	A	nized with the same isolate as determined by culture and sensitivity and capsular antigen testing. The missels
	50	nized with the same isolate as decomposed by subject and sensitivity and consular entires took a mother was
	Sn	ved lactose fermanting and accommed by containing the microbe
	lik	wed lactose fermenting colonies on MacConkey agar at ambient atmospheric conditions. What is the most yetiologic agent?
		Escherichia coli
		b. Group B Streptococcus type
		- remodning influenzaction b
		Weisseria meningitides core group h
		e. Streptococcus pneumoniae (encapsulated variety)
_		pricumornae (encapsulated variety)
5.	W	ch of the following bacterial agents has the lowest infective dose for producing gastrointestinal disease in the
	hu	an host?
		a. Enteropathogenic Escherichia coli b. Enterotovicosia 5 de la
		- Totoxigenic Escherichia coli
		Salmonella (non-typhoid serotypes)
		Snigella dysenteriae
		e. Vibrio cholera
	_	
	6.	patient presented with fever after 2 weeks constipation. On examination abdomen was tender, with
		ed color macules over it. Spleen was enlarged. Which of the following investigation would most likely to
		eveal the organisms in first two weeks of illness
		a. stool culture
		Blood culture ✓
		c. Urine culture
		d. Bone marrow culture
		e. ELISA
		사용 : Barrier : 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	7.	patient presented in emergency with third degree burns. Treatment was started. After 6 days there
		vas green colored pus which was seen in his wound dressing. Name the organism causing this infection:
		a. Staphylococcus
		b. Enterobacter
		Pseudomonas 🗸
		d. Klebsiella
		e. Enterobacter
		The state of the s
	8.	Which of the following organisms can contaminate respiratory equipments?
	٠.	Klebsiella V
		b. Proteus
		c. E.coli
		d. Bacteroides
		e. Serratia
		The state of the s
	9.	Which of the following is the reaction of proteus on TSI?
	٥.	- 11-11-0 clant/ acid http://dai.com// 1265(1)/ 1765(1)/
y let		b alkaline slant/ negative butt/ GAS (*// negative butt/ negative butt/ GAS (*// negative butt/ negative butt/ negative butt/ GAS (*// negative butt/ neg
		acid clant/ alkaline butt/ GAS(+)/ MAS()
		u paid slant/alkaline butt/ GAS(-)/ P49 (-)
		e. Alkaline slant/ alkaline butt/ GAS(-)/ H2S(-)

	· Fa
10. Organisma	
10. Organisms producing swarming motility on blood agar is:	
Proteus	•
c. E.coli	
d. Pseudomonas	
e. Bacterioldes	
11. Generalized	
Systemic hypertension.	of the
Systemic hypertension. b. Congestive heart failure. C. Liver circhesia	86.00
c. Liver circhesis	
d. Nephrotic syndrau	
e. Hyperaldesteronism.	
12. Disorders that predispose to the	
12. Disorders that predispose to thrombosis include all of the following EXCEPT Pancreatic carcinoma.	•
b. Pregnancy.	
c. Vitamin K deficiency	
a. Sickle cell anemia.	
e. Oral contraceptive pills.	
13. Which of the followings is the mechanism of edema in patients with congesti	ive heart failure?
a. Decreased plasma oncotic pressure.	
b. Endothelial damage.	٠ ٠
Increase hydrostatic pressure.	·
Increase vascular permeability. e. Lymphatic obstruction.	Agencia de la Companya de la Company
e. Lymphatic obstruction.	
14. What is the most common site of origin of thrombotic pulmonary emboli?	
a. Lumen of left ventricle.	
Deep leg veins.	
c. Lumen of right ventricle.	(A)
d. Mesenteric veins.	
e. Superficial leg veins.	
s Lin congostivo heart failure is most likely due to	The second second
15. Dependent edema found in congestive heart failure is most likely due to:	
a. Lymphatic obstruction.	
Increase hydrostatic pressure.	the second of the second
c. Arteriolar dilatation.	
d. Reduced plasma oncotic pressure.	
e. Endothelial injury.	
16. Infarcts tend to be hemorrhagic when they occur in:	No.
a. Kidney.	
(b) Lungs.	
c. Spleen.	《大学》,《大学》,《大学》
d. Heart.	
Brain.	建设设置
	人 在其他學學學的學學



	23. An AIDS patient develop profuse watery diarrhea. Examination of stool specimen reveals no pus cells and show modified Zn positive small 4-6 µm round to oval cysts. The most likely causative agent is 6. Balantidium coli 7. Cryptosporidium parvum 8. Blastocystic is 8. Blastocystic is
	e. Blastocystis hominis
	24. A young married woman complains of severe vaginal itching with watery foul smelling vaginal discharge. A wet a. Entamoeba histolical.
	mount of vaginal discharge shows Pear shaped trophozoites with jerky motion. What is the causative agent? b. Giardia lamblis
	b. Giardia lamblia
	Trichomonas vaginali :-
	Titalmoepa coli
	e. Balantidium coli
	25. You are asked to review an electron micrograph of a section of liver from a chronic alcoholic. Which of the following an indicator of irreversible injury?
	an indicator of irreversible injury?
	a. Cellular edema
	b. Chromatin clumping
	c. Mitochondrial swelling d. Myelin figures
	Rupture of plasma membrane 🗸
	process prosing membrane V
	26. A 3rd year medical student is asked to write a microscopic description of a coagulative necrosis that was found in the
	neart of a patient who died of a heart aftack. Which of the following best describes coagulative necrosis?
	a. Central amorphous a cellular eosinophilic material. Eosinophilic cytoplasm with cell outlines preserved.
	Granular, friable mass of material devoid of cell outlines.
	d. Localized, solid, basophilic lesion with calcification
	e. Necrosis with liquid mass.
	,
	7. Which of the following substance has the potential of chemotactic ability?
	(a), C5a V
	b. Flucosyltransferase
	c. Integrins
	d. Selectin
	e. TNF
	28. A 45-year-old man developed right lower quadrant abdominal pain over the last one day. Appendicectomy was
	performed and the appendix was swollen, erythematous, and partly covered by a vollowish exydate
a solding	Microscopic section showed infiltration with numerous neutrophils. The pain experienced by this patient was
	predominantly the result of the formation of which of the following chemical mediators?
	a. Complement C3b and IgG
	b. Histamine and serotonin
	C. Prostaglandin and bradykinin Interleukin-1 and tumor necrosis factor
	An intercognition decrease rector

	Mark Comments	and a second
e. Leukotriene and HPETE		A Maria
29. A 15 years	to his abdomen. At language	
lobe of liver was removed. To normal size. Which of the fol a. Apoptosis	boy sustained blunt trauma to his abdomen. At laparotomy, a small portion of the abdomen showed that the liver had nearly lowing processes best explains this CT scan finding?	of injured V regaine
b. Dysplasia		
Hyperplasia		
d. Hypertrophy		
e. Metaplasia		A ALCOHOL
30. A 20 year old man	Hawing of the sclera, skin, and oral	
accumulations underlies thes	of the sclera, skin, and oral mucosa. Which of the following	
Bilirubin	e mounts.	
D. Hemosiderin		an estimated
c. Lead	-	
d. Melanin e. Silver	\	
c. Sliver		
31. Which of the following is at	most efficient killing mechanism of neutrophils?	
a. Collagenase	most efficient killing mechanism of fleutrophils?	
 Reactive oxygen species 		
c. Protease		
Myeloperoxidase		
e. Defensins		
	·	
of this fluid would most likely in a. Cloudy appearance	om myocardial infarction and worsening congestive heart failure. There is ne last 2 months. Pleural fluid is aspirated. Which of the following charactering that it is a transudate.	istics
of this fluid would most likely in a. Cloudy appearance Low protein content	18 last / months Diagram Ist 13 in and 1 to 1 to 1 to 1 to 1 to 1	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes	18 last / months Diagram Ist 13 in and 1 to 1 to 1 to 1 to 1 to 1	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin	18 last / months Diagram Ist 13 in and 1 to 1 to 1 to 1 to 1 to 1	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes	18 last / months Diagram Ist 13 in and 1 to 1 to 1 to 1 to 1 to 1	stics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin	ndicate that it is a transudate?	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characted Neutrophils	ndicate that it is a transudate?	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages	ndicate that it is a transudate?	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes	ndicate that it is a transudate?	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells	ndicate that it is a transudate?	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells	ndicate that it is a transudate?	istics
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated w	rized by round on his left arm, which was stitched. A week later the stitches were	
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated wremoved. Healing at the woundin the next 2 months. Which of a. Organization	rized by which was stitched. A week leteral.	
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated wremoved. Healing at the wound in the next 2 months. Which of a. Organization b. Dehisence	rized by round on his left arm, which was stitched. A week later the stitches were	
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated wremoved. Healing at the wound in the next 2 months. Which of a. Organization b. Dehisence c. Resolution	rized by round on his left arm, which was stitched. A week later the stitches were	
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated we removed. Healing at the wound in the next 2 months. Which of a. Organization b. Dehisence c. Resolution Keloid formation	rized by round on his left arm, which was stitched. A week later the stitches were	
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated wremoved. Healing at the wound in the next 2 months. Which of a. Organization b. Dehisence c. Resolution	rized by round on his left arm, which was stitched. A week later the stitches were	
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated we removed. Healing at the wound in the next 2 months. Which of a. Organization b. Dehisence c. Resolution Keloid formation	rized by round on his left arm, which was stitched. A week later the stitches were	
a. Cloudy appearance Low protein content c. Increased lymphocytes d. Presence of fibrin e. Large size of effusion 3. Acute inflammation is characte Neutrophils b. Macrophages c. Lymphocytes d. Plasma cells e. Epitheliod cells 34. A young man got a lacerated we removed. Healing at the wound in the next 2 months. Which of a. Organization b. Dehisence c. Resolution Keloid formation	rized by round on his left arm, which was stitched. A week later the stitches were	

41. Aberrant differentiation may produce a mass of disorganized but mature specialized cells in tissue indigenous to the particular site referred to as: a. Lipoma b. Fibroma c. Teratoma d. Haemangioma (e) Hamartoma\ 42. In a 50 year old female with carcinoma of left breast and metastatic carcinoma in left axillary lymph nodes, which of the following factors is most likely responsible for lymph node metastasis: a. Increased laminin receptors on tumor cells Presence of keratin in tumor cells c. Decreased apoptosis of tumor cell d. Insitu component e. Lymphadenitis 43. Dimorphism is a characteristic of a. Bacteria 6.) Fungi 🖠 c. Prions d. Rickettsia species e. Viruses 44. An organism with two identical alleles is a. Dominant b. Recessive Hybrid Homozygous (المجلو e. Heterozygous 45. A patient is given a pencillin injection following which she develops rash and dyspnea within 5-10 minutes of injection. The most likely mode of reaction would be Type-1 hypersensitivity b. Type-II hypersensitivity c. Type-III hypersensitivity d. Type-IV hypersensitivity e. Hemolysis 46. Loss of which of the following classes molecules on the surface of a target tumour cell would result in loss of susceptibility to killing by CD8+ cells? a. Beta-2 microglobulin b. CD3 CD8 MHC class-I e. MHC class-II

47. A 76 years old elderly female come to you after she started feeling pain in he developing fever. Suspecting Staphylococcus epidermidis infection, what is the organism?	
developing fever. Suspecting Staphylococcus epidermidis infection, what is the a. Dental plaque	F President
organism? Staphylococcus epidermidis infection, what is the	prostnetic hip joint and
a. Dental planue	ne most likely source of this
b. Mouth	or this
Skin V	
d. Stomach	
e. Vagina	
48. In the gram stain procedure, bacteria re-exposed to 95% alcohol or to an alcohol a. Adhere cells to slide B. Retain purple dye within the state of the state	
is performed to: bacteria receptosed to 95% alcohol or to	
a. Adhere cells to clist	nol/acetone pro-
Retain purple due	procedure. This step
Out / District	
a. 10 lorm co	1
e. To facilitate with loding solutions the purple dye can leave bacteria	
racintate entry of purple due	
e. To facilitate entry of purple dye into gram negative bacteria 49. A young over enthusis	
49. A young over enthusiastic science student took a culture of his healthy skin from worried and went to his physician and was told not to worre here we the second state of the worre have a state of	
was informed after 24 hours that it has growth of Staphylococcus epidermidis, a Normal human skin flora D. Transions at the science student took a culture of his healthy skin from worried and went to his physician and was told not to worry, because the growth of the science student took a culture of his healthy skin from worry was a science student took a culture of his healthy skin from worry was a science student took a culture of his healthy skin from worry was a science student took a culture of his healthy skin from worry was a science student took a culture of his healthy skin from worried and went to his physician and was told not to worry, because the growth of Staphylococcus epidermidis, and was told not to worry, because the growth of Staphylococcus epidermidis, and was told not to worry, because the growth of Staphylococcus epidermidis, and was told not to worry, because the growth of Staphylococcus epidermidis, and was told not to worry, because the growth of Staphylococcus epidermidis, and was told not to worry, because the growth of Staphylococcus epidermidis, and was told not to worry, because the growth of Staphylococcus epidermidis.	n the description
worried and went to his physician and was told not to worry, because the grown b. Transient skin flora	and dishability of his hand. He
Normal human skin flore	th was
"Augient chip tions	m was:
c. Pathogenic skip flow	
d. Normal flora of the salar	2
e. Saprophyte	
ED D	
50. Bacteria can be cultivated on artificial media which	
50. Bacteria can be cultivated on artificial media which provide nutritive ingredients of tension and pH help for better growth of bacterial colonles. Which of the following a. Blood agar	to them. In addition on the
Blood area	g media is having anaerobic
a. Blood agar b. MacConkey's agar	S THE STORY
c. Chocolate agar	
Nutrient agar	314
(e.) Cooked meat medium	
. 51. For Sterilization of heat sensitive surgical instruments and sutures, which of the fo	•
is most appropriate?	ollowing sterilization method
S. P. Grid	a south metriod
b. Formalin	
Ethylene oxide	
d. Acraflavin e. Gentlan violet	The same of the sa
e. Gentlan violet	4-, -
52. Infection that spread postally	
52. Infection that spread rapidly over large areas of the globe Endemic	
b. Epidemics	
c. Pandemic V	
d. Opportunistic infection	
e. None of above	I
	ļ
	L
	_
	i

53. The structure that is found in gram negative bacteria but not in gram positive bacteria is a a. Capsule Cell wall Cytoplasmic membrane Endospore Outer membrane (54. A diphtheroid gram-positive rod may develop into a pathogenic Corynebacterium diphtheria by means of a bacteriophage infection. Transfer may develop into a pathogenic Corynebacterium diphtheria by means of a bacteriophage infection. Transfer of a donor chromosome fragment t by a temperate bacterial virus is defined a. Competence b. Conjugation Recombination Transduction e. Transformation 55. An HIV patient asks you if you can tell him chances of his progressing to active disease. Which of the following b. HIV antibody test c. HIV RT-PCR d. Neoptrin HIV P24 antigen. 56. 5 year old presents at physicians office with symptoms of conjunctivitis, low grade fever and Koplik's spots. The Paramyxovirus Orthomyxo virus d. Herpes virus Picornavirus. 57. A young boy was received in emergency department with history of fever, malaise, headache and cough. Along with that he had joint and muscle pains. On examination a macula-papular rash was observed on his body. His labs showed leucopenia, increased hematocrit and decreased platelet count. The most likely virus would be: (b) Dengue virus 🧼 c. West Nile virus d. St. Louis encephalitis virus e. California encephalitis virus 58. What is a mass of fungal filaments called? a. Pseudohyphae Hyphae Mycelium Septum 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 current CD4+count is 180/mm3. He is not on any prophylactic drugs. What is the most likely causative agent?

Cryptococcus/

c. Candida

d. Malassezia

e. Sporothrix

60. A hospital worker is found to have hepatitis B 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

b. 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