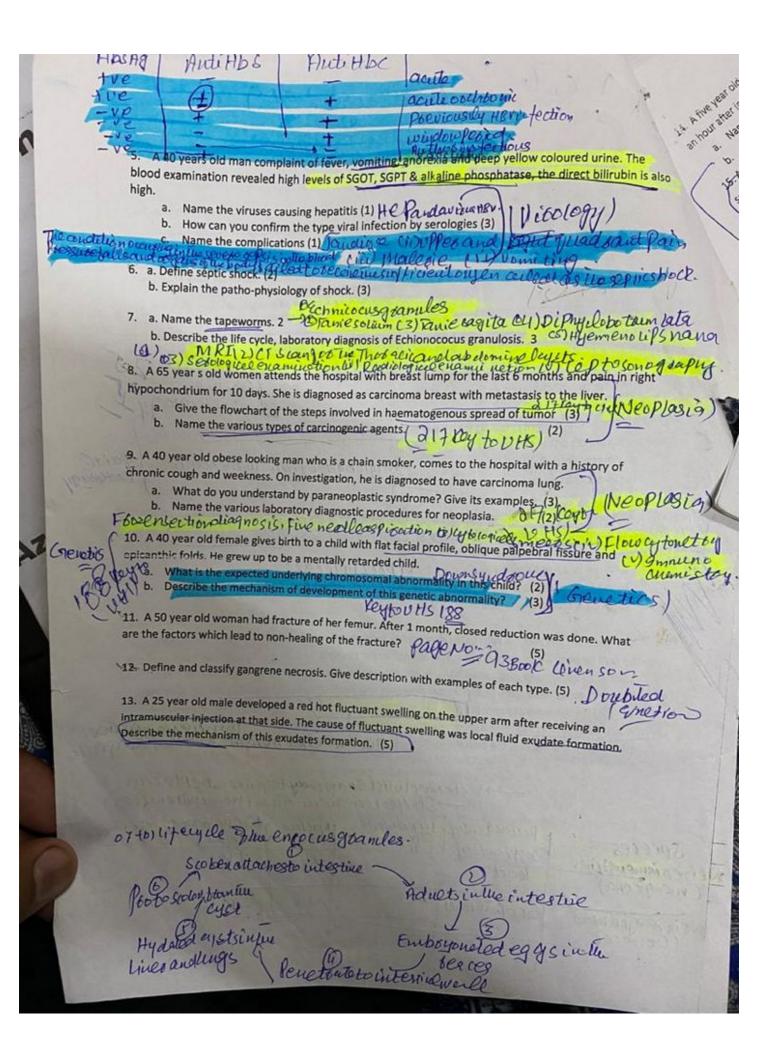
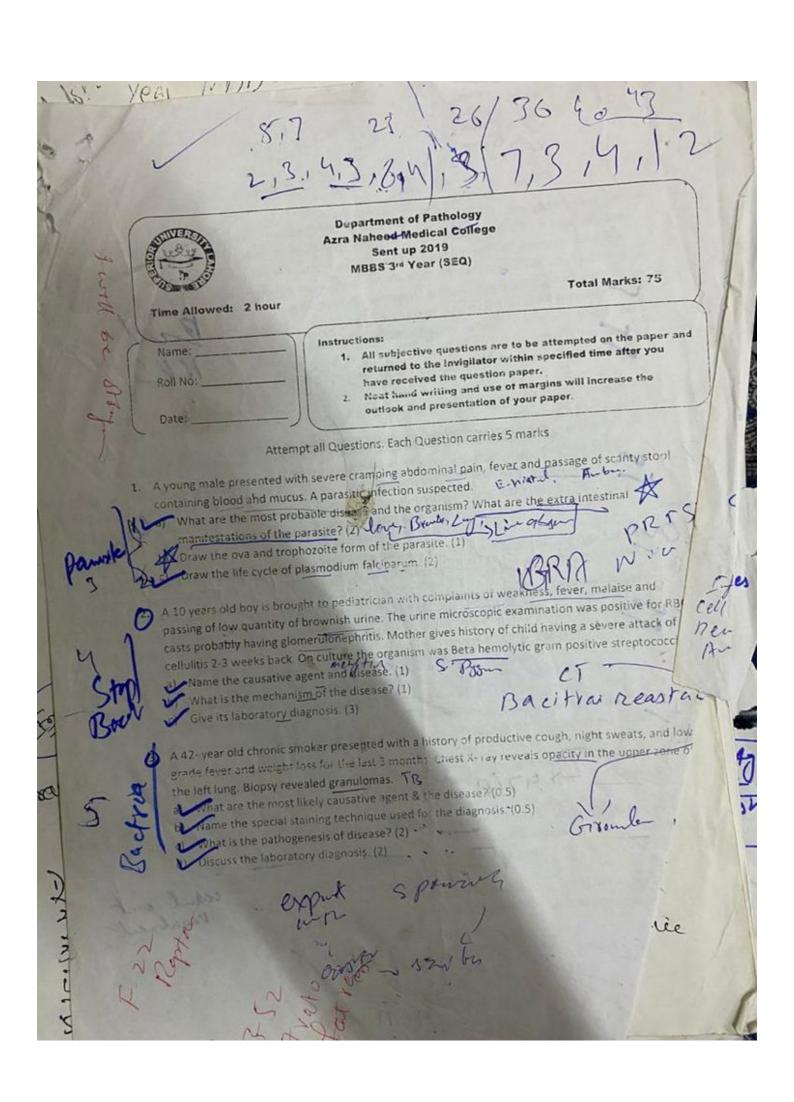
Name: Activities Roll No: FIG. 3. All subjective questions are to be attempted on the paper and returned to the invigilator within specified time after you have received the question paper. Neat hand writing and use of margins will increase the cutlook and presentation of your paper. Attempt all Questions. Each Question carries 5 marks Attempt all Questions. Each Question carries 5 marks b. Name the mechanisms of transfer of bacterial genetic material? 2. 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? 1. Muliobact epium Tuberclasi Several students of a primary school in a village fell ill. All of them were admitted to-local hospital following vomiting and diarrhea. Purging was effortless and the feces were of fishy smell and rice-watery. a. What is your diagnosis? 1. Vibock hollocal b. What is its mode of transmission? 1 pecul brellocal c. What is the pathogenesis of it? 3. 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 (umbar puncture was performed in less than 30 minutes after the
All subjective questions are to be attempted on the paper and returned to the invigilar within specified time after you have received the question paper. 2. Neat hand writing and use of margins will increase the cuttook and presentation of your paper. 2. Neat hand writing and use of margins will increase the cuttook and presentation of your paper. 3. Name the mechanisms of transfer of bacterial genetic material? 2 Cacteriolo quit sample is collected that has a positive acid-fast stain. a. What is your diagnosis? 1 Mulliphact of item tubecoloxis Racker. 3. Several students of a primary school in a village fell ill. All of them were admitted to local hospital following vomiting and diarrhea. Purging was effortless and the feces were of fishy smeil and ricewatery. a. What is your diagnosis? 1 Vibbocholloal b. What is its mode of transmission? 1 peoclopelloal c. What is the pathogenesis of it? 3 A. A 3-year-old girl was brought to the emergency room by her parents because of fever and loss of appetite 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 (sumbar purpture were performed in the paper and returned to the invigility in a rousing 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 (sumbar purpture were performed in the paper and the pape
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for culture and other laboratory tests (Lumbar puncture was performed in Lumbar puncture)
polictore was performed in less than 30 minutes after the
patient arrived in the emergency room the CSF aspirated was cloud.
patient arrived in the emergency room the CSF aspirated was cloudy Gram staining showed numerous polymorphonuclear cells along with gram negative diplococci.
a. Name the disease & the courative agent (1) also
a. Name the disease & the causative agent. (1) clisease is the went ties and land theory. b. What are the differences in the CSF of viral, bacterial and tuberculous meningitis? (2) c. Name one organism each causing meningitie in following.
c. Name one organism each causing maningitie in falls.
o Neonates -> Exchanges in tollowing age groups: o children and Adults (1) -> Charles occurs
d. Enumerate two differences between gondoord and milliamortia, promobility in 100
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Neisepiamenaties Regyroated the tracelling varceines
Neiseo igue 19ties (kegyibatoon the reachtain voiceines with



14. A five year old girl is brought to the emergency with severe respiratory difficulty and wheeze, half an hour after intake of fish. There is history of similar episodes in the past. a. Name the type of hypersensitivity reaction involved. (1) Type I by Per Sensitivity. 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 conidia with spores in radiating column a. What is the diagnosis (1) b. Mode of transmission (3) c. Pathogenesis Performed mediators.

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4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool and after-school daycare is brought to his 4. A 2-year-old boy who recently started attending preschool daycare is brought to his 4. A 2-year-old boy who recently started attending preschool daycare is brought to his 4. A 2-year-old boy who recently started attending preschool daycare is brought to h
4. A 2-year-old boy who recently started attending preschool and after-school dayeer pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by fever to 38.2°C, severe lower abdominal pain, pediatrician for a diarrheal illness characterized by blood tinged stools after 24 hours. The mother reports that
pediatrician for a diarrheal lilless could be blood tinged stools after 24 hours. The lipsus disease.
two other children who attend the safety after culturing.
The organism appeared to be little and the little a
two other children who attend the same after-school daycare have recently two other children who attend the same after-school daycare have recently The organism appeared to be lactose fermenter after culturing. Name the likely pathogen and the disease. (0.5) Name strains of this bacterium and which strain is causing the disease? (1)
b) Name stands
Give the pathogenesis of the disease. (2)
d Most will you proceed with laboratory of the same
5. A Foley's catheter tip sample of a chronically debilitated patient was received in the microbiology
5. A Foley's catheter tip sample of a circumstant
laboratory for culturing.
a) What is the method used for sterilization of disposant Tuterferan
single use items in the hospitals? (0.3)
What is autoclaving and its principle? (1) Oraw and compare the cell wall of Gram positive and Gram negative bacteria. (2) Oraw and compare the cell wall of Gram positive and its significance? (1.5)
at the second configuration of the period of the second of
- 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Designe parrosis. Describe the types of necrosis with one example each. (2.3)
Oefine metaplasia. What is its mechanism? Give examples. (2.5)
The state of the s
What is healing by first intention? (1)
abulate the differences between healing by primary intention and secondary intention. (2)
the state of the s
and at cough.
1 3. A 33 year old female presented to the outpatient department with symptoms of butterfly rash,
photorensitivity and joint pains for the last 6 months. Labs showed anemia and thrombocytopenia.
What is the most probable immunological diagnosis? (0.5)
What are the auto-antibodies of this disease? (0.5)
Name 4 auto-immune diseases with corresponding auto-antibody involved in it. (2) What is the normal defense mechanism of innate immune system of our body against an inciting
antigen? (2) — 476P
The state of the s
A young boy accidental victim of honey bee stung. At the site of bite the skin become red, swollen
edematous. This is because of vascular and co-liular changes at the site of acute inflammation.
edematous. This is because of vascular and collular changes at the site of acute inflammation. a) Briefly discuss the sequence of cellular events involved at the site discussed in above scenario. (2) New Lech cuts.
(2) Newly ent
Vanal label the microscopic appearante of Granuloma. (1.5)
Enlist leucocyte and endothelial adhesion molecules along with their ligands. (1.5)
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THE SUPERIOL COLLEGE, LAHORE

3rd PROV. SSIONAL MBBS

ANNUAL 1: AMINATION 2019

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Roll No. E16-078

Total Marks: 75

Time Allowed: 2 hours

I structions

The SEQ's part is to be submitted within 2 hos Next Hand Writing use of margin and marker for headlines w | | - stress the presentation of your paper

Q-No: 1.. -a) Enumerate different stimuli \cute Inflammation.? -b) How will you differentiate ... cen transudate and exudate? Inflavetion Q-No: 2. A 65 year old man dev oped low grade fever with productive cough and lymph node enlargement. His chest X-ray war J ne and showed multiple opacities. Histological report of these lesions conferred features of the sic granulomatous inflammation with tuberculosis etiology. a) Enlist six causes of chre a granulomatous inflammation? -b) What kind of hypersen livity reaction has occurred in this patient?. -c) Give its pathogenesis. .. Q-No: 3. A 35 year old male pi sented to the surgical emergency with large excisional wound on his 3ny loudicay left leg creating | large defec in skin surface a) Name the type of hering in above condition. \(\) b) Name the factors that the limberace the wound healing. c) Entlist four growth fi ors and cytokines affecting various steps in healing. Q-Nor 4, A 20 year old back player fractured his femur div. a game, Over the next few days in hospital, he developed prog ssive respiratory problems and died 3 days later. On autopsy, oil red-0 positive material is seen in the small blood vessels of the lungs and brain. a) Which complication h occurred in him? Give its pathogenesis. b) Enumerate the three pr nary influences on thrombus formation and name this triad.

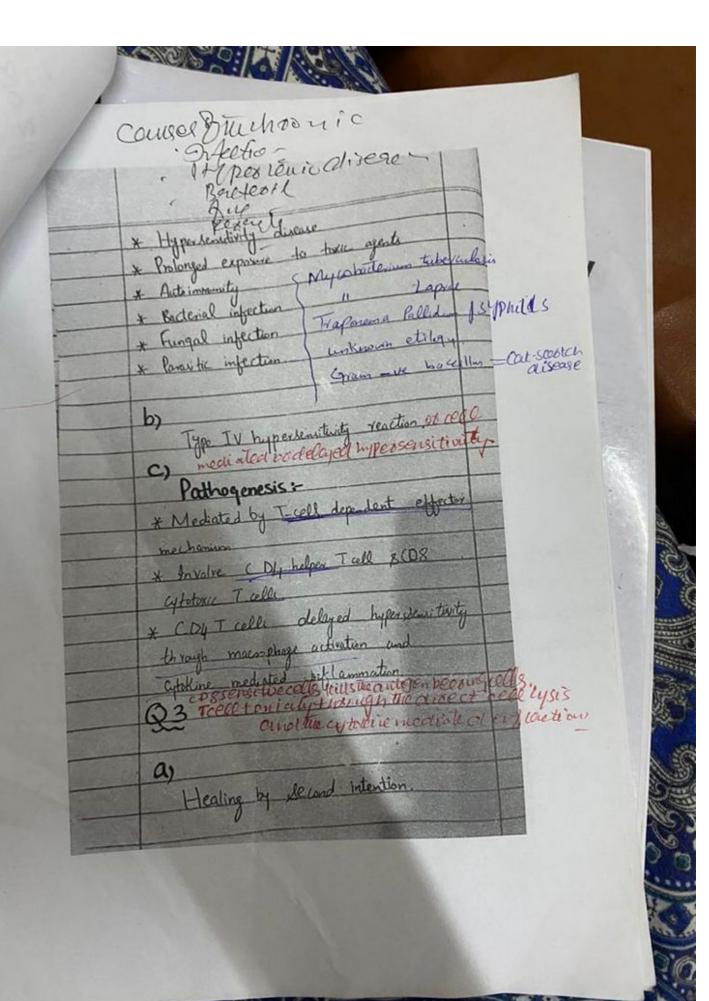
Genetics Q-No: 5. A 40 year old female gave birth to a child with flat facial profile oblique palpebral fissures, and epicanthic folds. He grew into a mentally retarded child. a) What is the expected underlying chromosomal abnormality in this child? b) Describe the mechanism of development of this genetic abnormality. Q-No: 6. A 24 year old female with a history of heavy and painful menstrual period has been having NPO DIOCIU) difficulty conceiving despite months of trying to become pregnant. Her workup included a bimanual pelvic examination and an ultrasound, which demonstrated a massive uterus that was presumed to Hemangione lipone. be a leiomyoma, a. Enlist any four Mesenchymal benign tumors other than leiomyomas? b. How would you grade a tumor? . . Q-Ne: 7. A person develops rashes all over his body after stung by a bee while handling a bee-hive to 9 million of y collect honey a. Which type of hypersensitivity is this? What is the mechanism for type four hypersensitivity reactions? Q-No: 8. By which method of sterilization we can sterilize the instruments and bed linen in the hospitals and operation theaters? a) What is its principle and procedure? Autoclawis) b) Define the following: Transposons Sterllization Spore and its medical implication Q No: 9 A 22 years old male develops high-grade fever with persistent headache and constipation. Hepatosplenomegaly, lymphadenopathy and rose spots on the ab men are observed in the second Salmonella typhi week of infection. a) . Briefly discuss the pathogenesis of this infection. What can be the possible complication if this patient is left untrested? b) Name the gold standard laboratory test for diagnosis of this disease and reaction of its pathogen on TSI agar. Q-No: 10. A 42-year old male presented with a history of productive cough, hight sweats. Low grade fever and weight loss for the last 3 months. Chest X- ray reveals opacity in the upper zone of the left lung. Histopathology reveals granulomas. s) What is the most likely causative agent and the disease? b) Name the special staining technique used for the diagnosis. 5 7 3 tainer c) Discuss the laboratory diagnosis of this case. Tuber LeucifesonTest Gramma interfesonousser

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Q-No: 11. A 25-year-old woman had a papular rash on her trunk, arms and palms with no itching. Q-No: 11. A 25-year-old woman had a papular rash on her trunk, arms and palms with no itching. Q-No: 11. A 25-year-old woman had a papular rash on her trunk, arms and palms with no itching. Q-No: 11. A 25-year-old woman had a papular rash on her trunk, arms and palms with no itching.	
a as uses old woman had a papular roat to	
Vaginal examination revealed two flat, most, sagesting spirochetes. The physical spirochetes and the causalive agent?	
labial lesion was exemples likely diagnosis and the causalive agent?	
a) What is the most likely diagnosis and the causative agent? Explain the term prozone phenemenon.	
e) Name the specific and non-specific tests for the control of the	
Q-No: 12. You are a physician at medical camp where an outbreak of distribution of stool show Gram complained of excessive frequency of watery stools, with no blood. Gram stain of stool show Gram Complained of excessive frequency of watery stools.	
complained of excessive frequency	
negative curved rods. a) What is the most likely diagnosis?	
n J. D. daveribe its pathogenesis?	
e) How it can be further continued in increasing. Q-No: 13. An HIV-Positive patient has progressed from fatigue, rash, nausea and night sweats Output Outpu	
Q-No: 13. An HIV-Positive passent operations of the state	
symptoms to occasional but defined opportunistic infections. a) Enlist one opportunistic fungal infection, 1 viral infections and one malignancy associated	
a) Enlist one opportunistic tongs.	
with AIDS. b) What are types of HIV virus and what disease it causes? 4	
t metal as and ecocs of the	
with under right quadrant pent and	
Q-No: 14. A 40 years old sheepherd of sheep presents with operations of the liver. Q-No: 14. A 40 years old sheepherd of sheep presents with operations of the liver. Qafacitle Q	
- tale field in the fight look of the)
on cyst that appears to contain transits? Name the parasite responsible for this lesion.	
b) Draw and label its life cycle.	
. L. Mannois	
to the text of the	54
Q-No: 15. A female presented to OPD of a hospital. She had a write patent of the state of the st	8
	11
a) What is the patient suffering from? b) What are four approaches to lab diagnosis of fungal diseases? 4	1)
b) What are four approaches to make the second seco	

Minfleretion , Repens waly ismi Dojaniament of Philippings Acten Method Medical College Overal Test 23 February 2019 PERSON Sed Vone (SER) (inflammation, Meeting & Repair) Total Marks: 25 Time Allowed: 50 min ' (i) lenkay readresion to the excellen Promis in lenko y wemigo diochway Lly SLQ a) What are the components of acute in this CLO Many discuss the steps involved in 0.1 leucocytes recruitment (2) b) Briefly discuss the outcome of acute inflamme on. 0.2 — a) What are the principal mediators of Inflammet —2 Briefly discuss from where they are (3) derived with examples of each b) Enlist leucocyte and endothelial adhesion mole ules along with their lignads. (2) A 45yr female belonging to low socioeconomic class presented to medical OPD the history of night sweats, low grade lever, loss of appetite and peristent gough sometimes with hemoptysis. Her CBC report revealed 73% lymphocytosis, with raised ESR. Chest X ray revealed cavitatory lesion in mid zone of right lung. Atteroscopic samination of sputum revealed acid What will be the microscopic annearance of this asion? Granuton adord 10 (Vanfast pink bacilli with beaded appearance. He was diagno Jerendory Write short note on chemotonis privated for walled contestion less thanks (1) Q.4 Letamered Lecentias had bescribe the difference between healing by Primary Intention and Secondary Intention (05) Following the Caesarian section, the Gynecologist applied new surgical sutures to the incision. A: Trace the steps of healing in this patient in chronologics, order (03)B: Give the brief account of systemic factors offeeting the will mid healing (i) enfections (ii) Diabely stelly Lui Poor Peddus ior mucheligety
Lui ty perine entant suu colling tor
(vii) treedy Cooling paetors: -

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	2019 Annual Examination
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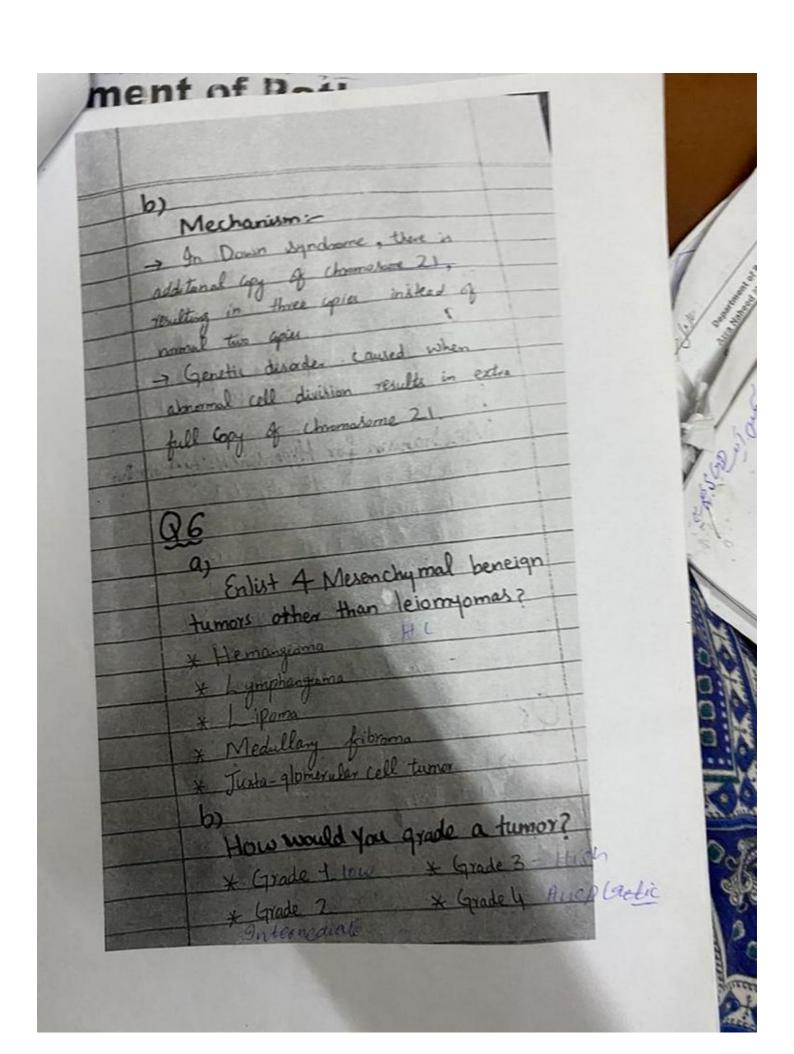
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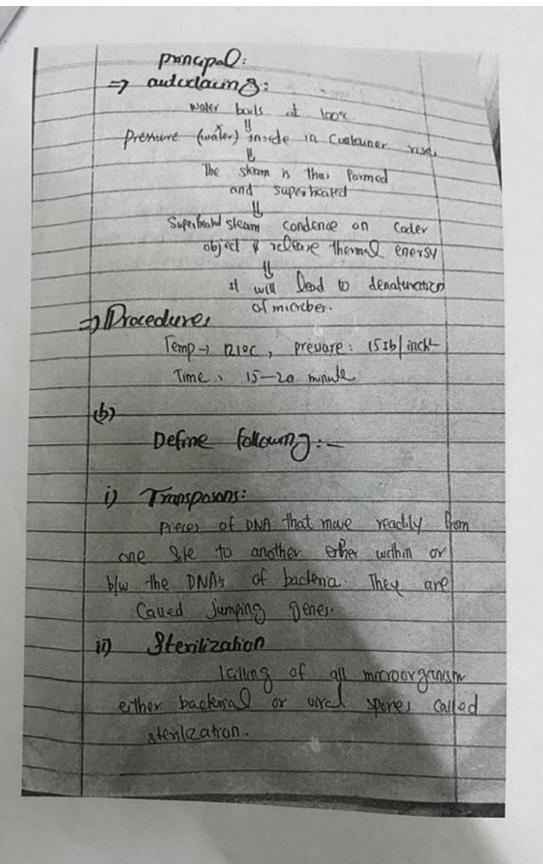
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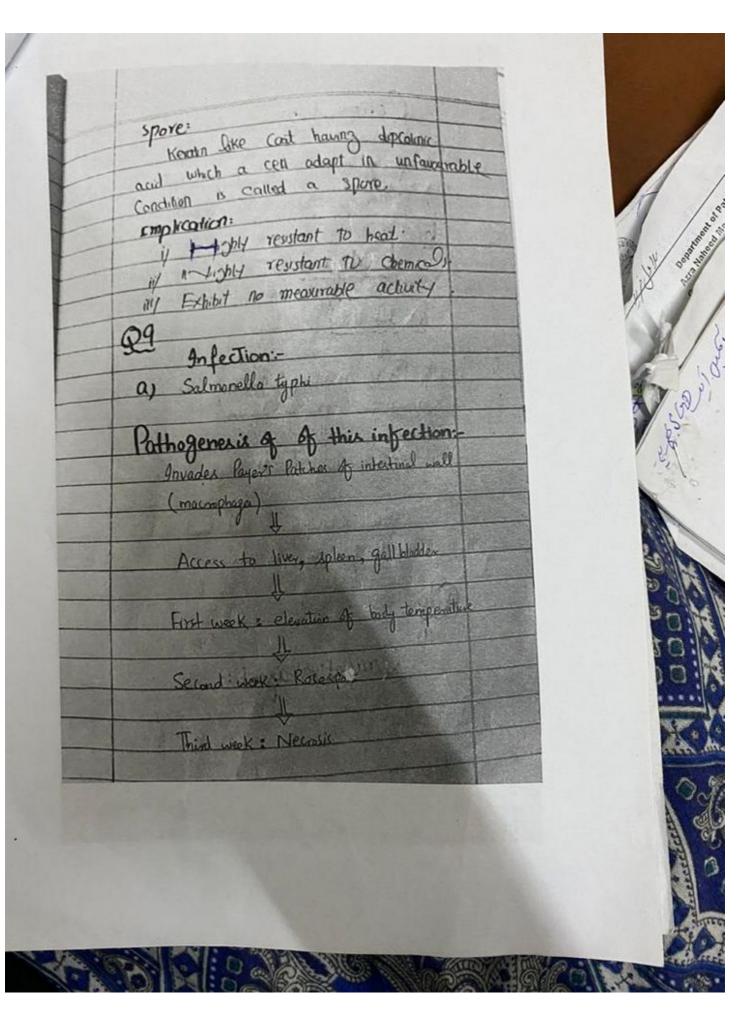
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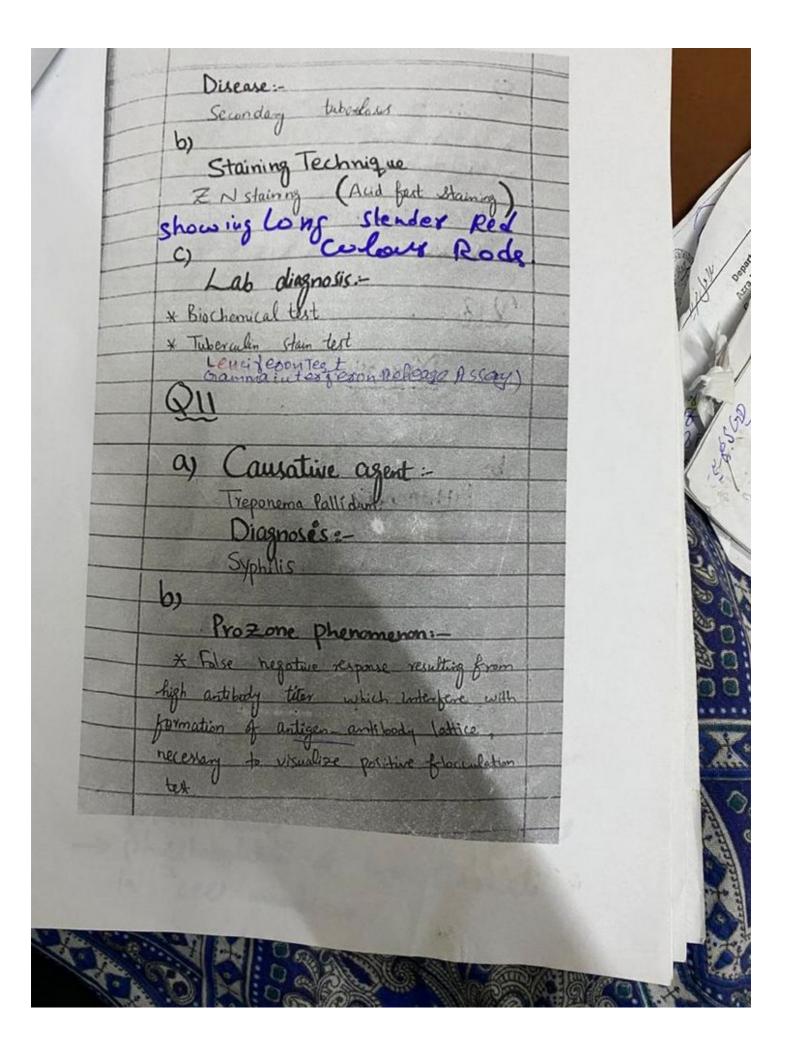


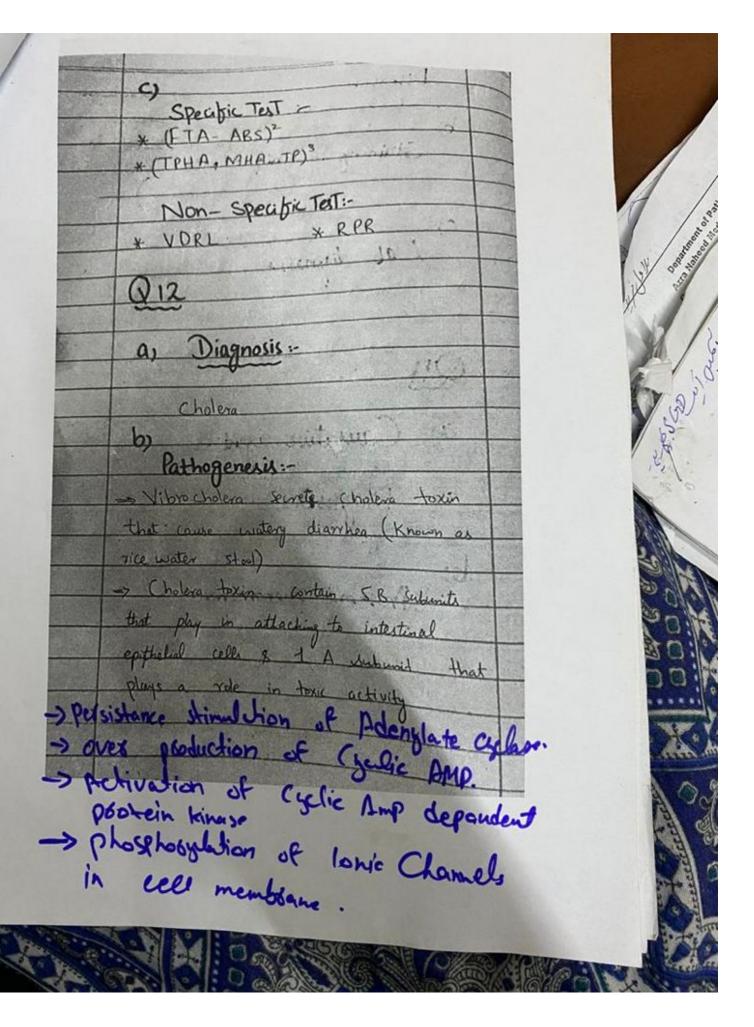
on type of carrier and amounts 1 - hypersensitivity Mechanism for Hypersensitivity 4 von Jon through macrophage activation and cytokine mediated inflammation. Accordancing

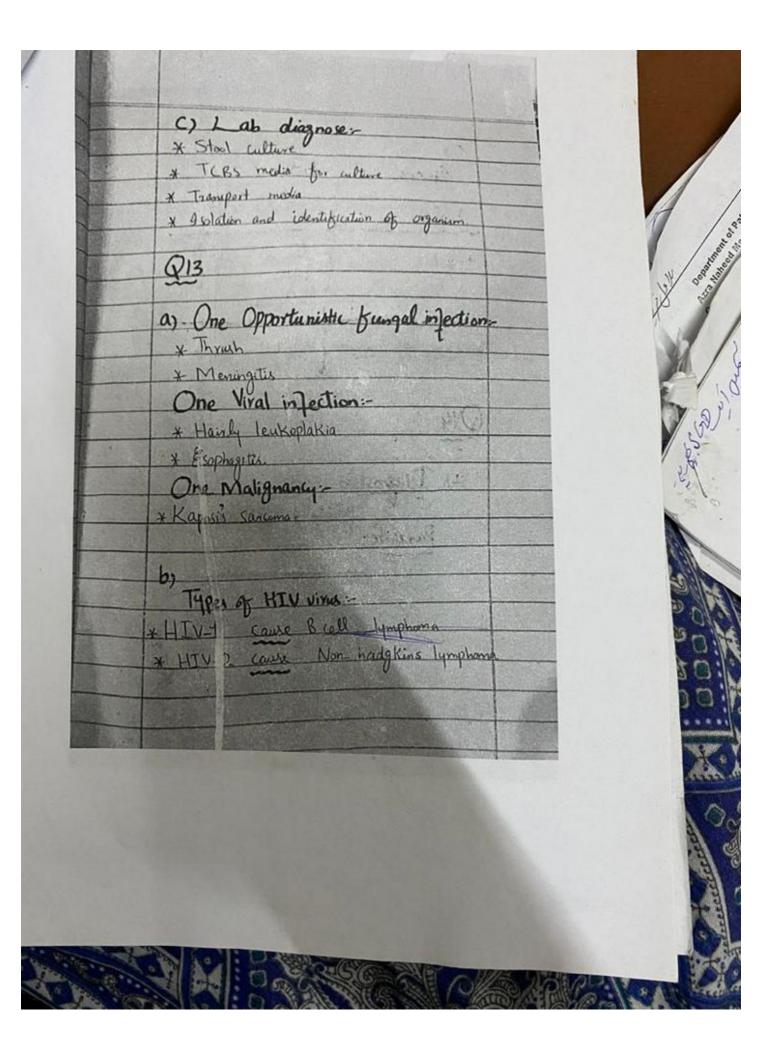




omplication: TES * Typhad feve ab test Widal test homologous antibody It will react with antigen gives Clumping on test and agglutination in the tibe. Causative agent:-Mycobacterium tuberculosus







C) Proteins Gener P 24, PT , PT * 999 * Pol Protesse Parasite; Echinococcus granulosus

b) + Adult in small intertine Scolex attaches to intestine Protosidex from cyst Embryonated Hydrated Cyst in liver, lungs Penet rate intertinal wall ab diagnosis: * CT scan To detect * MRI Cystr. * Ultrasmograph

Candida allaicans

Candida allaicans

Lab diagnosis:

* Geam tube text

* Chalmydespore formation

* Sugar fermentation

* Gram staring text