## SPECIAL BACTERIOLOGY OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A patient developed folliculitis. Pus was cultured which revealed Gram positive cocci in clusters.



- 1. Name the causative agent. (0.5)
- 2. Name the two sites where this organism is present as flora. (1)
- 3. Name the three toxins produced by this organism. (1)
- 4. Name one important drug used for treatment of MRSA. (0.5)

Q-1 Staph. Aureus

Q-2 Nose \* 5% cases-in vagina afwoman.

Q-3 - Exofoliative \_scalded skin syndrome Enterotoxin - Food poisoning Toxin shock syndrome - To xic shock syndrome

O-4 Vancomycin Gentamycin Clindamycin Daptomycin

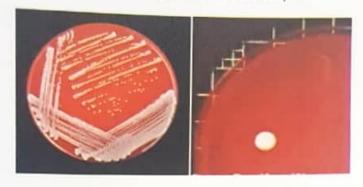
### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

An immunocompromised patient developed endocarditis caused by a normal flora of skin. Blood culture revealed the following results, showing novobiocin sensitivity.



- 1. Name the causative agent. (1)
- 2. Novobiocin is used to differentiate which two bacteria? (1)
- 3. Name one other endocarditis causing bacteria. (1)

Ans-

Q-1 -> Staphylococcus saprophyticus

O->- Novobiorin used to differentiate b/w Staph saprophyticus vs staph epidermi

O-3 - O- Enterococci

@- S. Sanquis @- S. Salivarius.

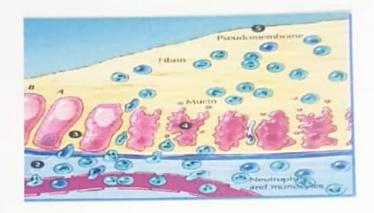
### OBSERVERED STATION

Marks: 03

Time allowed: 04 minutes

#### For Candidate

A patient receiving chemotherapy for Breast carcinoma developed non bloody diarrhea, fever & abdominal cramping. On sigmoidoscopy pseudomembranes (yellow-white plaques) were seen on colonic mucosa.



- 1. Name the causative agent. (0.5)
- 2. Is it a Gram positive rod or cocci? Is it aerobe or anaerobe? (0.5 +0.5)
- 3. Classify Gram positive non-spore forming rods. (1.5)

Q.No.1

Anti-body - Pseudomembranous calitis caused by Clastoidium Difficile.

Q-2 Gram +ue Rod - Anaerobic

Non-spose Forming

Non-filamentous

Coynobacterium

Listeria

Nocordia.

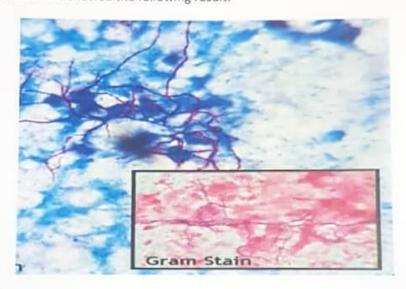
### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

#### For Candidate

A young alcoholic having AIDS acquired a bacterium by accidental traumatic inhalation, ending up with lung abscess. His labs showed the following result:



- 1. Name the causative agent. (1)
- 2. Is it a filamentous or non-filamentous rod? (1)
- 3. Name one more weakly acid fast bacilli. (1)

ANIS .

Q. No. 1 -> Nocordia asteroid causing Nocordiasis

Q. No. 2 -> Filamentous

Q-No.3 -> Nocordia
Mycobacterium.

### **UNOBSERVERED STATION**

For Candidate:

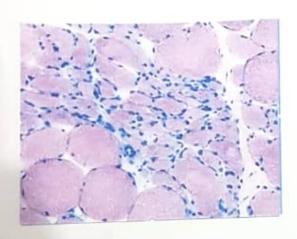
Marks 04

Time Allowed 04 min

For Candidate:

Marks 04

Time Allowed 04 min



a- What is the diagnosis? 1 Spinal Muscle Atrophy

b- Define it. 1

c- What are the factors causing this condition? 2

Atrophy: I size of cells

1 protein Loss
I protein Loss
I protein defermation
I protein synthesis
Loss of invervation
Last of Blood supply
I would load

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

#### For Candidate

A patient presented with inflammation of throat, with a fibrinous exudate and gray pseudomembrane causing shortness of breath and respiratory distress. Gram staining of pus revealed Gram positive rods having Chinese letter appearance.



- 1. What is the causative agent and the disease? (1)
- 2. What are metachromatic granules? (0.5)
- 3. Name the technique used to stain it, other than gram staining. (0.5)
- 4. What is the mechanism of action of its exotoxin? (1)

Ans: Q-1 Corynabacterium Diplheria causing Diplheria
Q2 - Metachromatic granules:

organism is beaded, have granules of highly polymented phasphate - store of high energy phasphate. Granules stain metachromatically. Granules stained Red.

Q-3 - Albert stain.

O-4 - B-subunit - help all achment to receptor A-subunit - Activate subunit

Cleaves nicotincumide From

Transfer remaining ADP

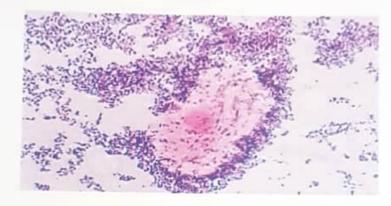
### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A female had continuous complaint of thin, grey colored vaginal discharge, having a fishy odor. Gram Staining of vaginal discharge revealed the following result.



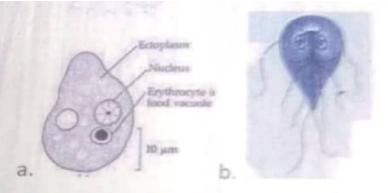
- 1. Name the following cells and the causative agent. (1)
- 2. What is vaginosis? (0.5)
- 3. State two other causes of vaginitis. (1)
- 4. Name the flora of vagina which maintains the vaginal pH. (0.5)

Ans Q-1 - Clue cells, Bacterial Vaginasis caused by Gardnerrela Vaginalis.

Q.2 Vaginosis: Moldorous vaginal discharge and due cells is called vaginari

Q-3- Tichomonas vaginitis Yeast vaginitis.

Q-4 Lactobacilli



Carefully examine the given photograph and answer the following questions:

- a. Name the parasite with this trophozoite form. What is its most common complication? (2)
- b. Name the parasite with this trophozoite form. What is its most expense route of transmission? (2)

MBBS 2<sup>ND</sup> PROFESSIONAL

MICROBIOLOGY

OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

UNOBSERVERED STATION

Marks: 04

Time allowed: 04 minutes.

## 3rd YEAR MBBS OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

## UNOBSERVERED STATION

For Candidate:

Marks 04

Time Allowed 04 min

## For Candidate:



## Tasks:

Carefully examine the given photograph and answer the following questions:

- 1. Which parasite has this cystic stage?
- 1
- Flask shaped ulcers are formed in which condition?
- 1
- 3. What are the complications of this parasitic disease?
  - 2

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A young female patient presented with signs and symptoms of urinary tract infection. Urine culture revealed white colored colonies, resistant to novobiocin.



Novobiocin
sensitive -> Staph:
Awereus
Novobiocin -> Staph.
Resistant Saprophytic

- 1. Name the causative agent. (1) Staph-saphrophyficus.
- 2. Name two other causative agents of urinary tract infection. (1)
- 3. Is this organism coagulase positive? (1)

Q.2 E. cali, proteus

O.3 Coagulase - ue.

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

#### For Candidate

A young boy developed fever with large bullae & erythematous macular rash, causing sloughing of skin & electrolyte imbalance, as shown in the picture. His cultures revealed the organism showing the following biochemical tests positive:



- 1. Name the disease and the causative agent. (1)
- 2. Name these biochemical tests. (1)
- 3. These biochemical tests are used to differentiate which species of bacteria? (1)

Q.No.1 Scalded skin syndrome by staph Awrews.

Q.No.2 O-Coagulase Test (Exafaliative Toxin)

Q-DNASE Test

Q-Staph awereus - Coagulase the

DNASE the

Staph epidermidis - 3 - Coagulare - we. Staph. saprophyticus-3 - Coagulare - we.

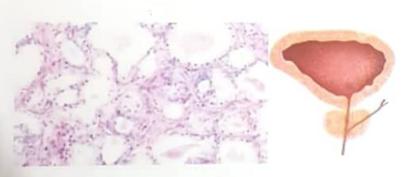
### 3rd YEAR MBBS **GENERAL PATHOLOGY** OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

#### **UNOBSERVERED STATION**

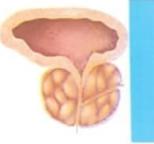
For Candidate:

Marks 04

Time Allowed 04 min



- a- What is the diagnosis 1
- b- Define it. 1
- c- What are the causative factors? 1
- d- Give one more example of this condition. 1



- O- Hyperplasia
- 2 Ain no of cells in an organ and trissue
  - 3 hormones
  - Growth Factors.

    (4) Liver hyperplasia

    Breast hyperplasia

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A 13 year old child presented with high grade fever, productive cough and a red tender throat. A culture was taken and empirical therapy was started. The colonies grown showed beta hemolysis and were bacitracin sensitive.



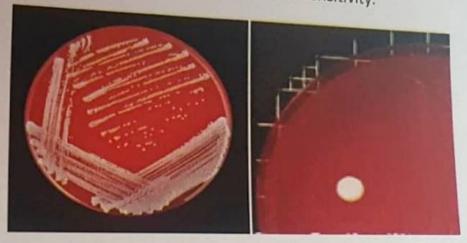
- 1. Name the causative agent. (1)
- 2. What are the three modes of pathogenesis of this organism? (1)
- 3. Name the two post Streptococcal diseases produced by this organism. (1)

ANS O- Strept Pyogene.

- 2- superficial infection
  Invasive infection
  Auto-immune infection.
  - 3 Glome rulonephoitis Necrotizing Fascciiitis

## For Candidate

An immunocompromised patient developed endocarditis caused by a normal flora of skin. Blood culture revealed the following results, showing novobiocin sensitivity.



- 1. Name the causative agent. (1)
- 2. Novobiocin is used to differentiate which two bacteria? (1)
- 3. Name one other endocarditis causing bacteria. (1)

Ans-

Q-1 -> Staphylococcus saprophyticus

04 minutes

infection. Urine culture

Novobiocin
Sensitive > Steeph'
Epi Dermidis
Novobiocin V
Steeph.

Resistant Saprophyticus

ticus.

### 3rd YEAR MBBS **GENERAL PATHOLOGY** OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

#### **UNOBSERVERED STATION**

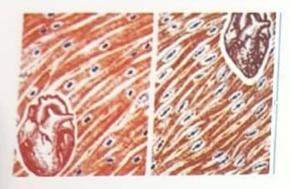
For Candidate:

Marks 04

Time Allowed 04 min

This is a photomicrograph taken from heart of a 70 year old man during autopsy.

Carefully examine the slide and answer the following questions.



- a- What is the diagnosis 1
- b- Name the nature of the pigment. 1
- c- Name two more intracellular accumulations. 2

### **OBSERVERED STATION**

Marks: 03

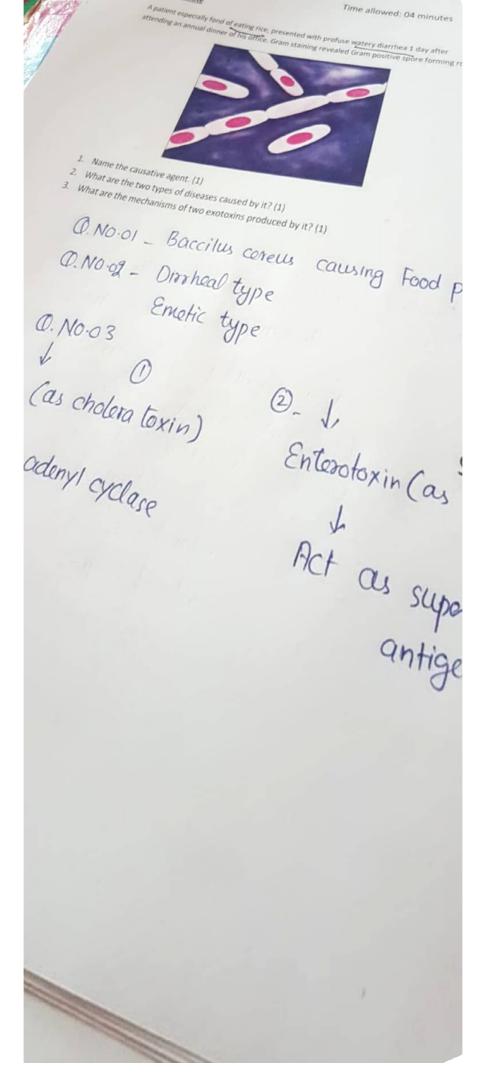
Time allowed: 04 minutes

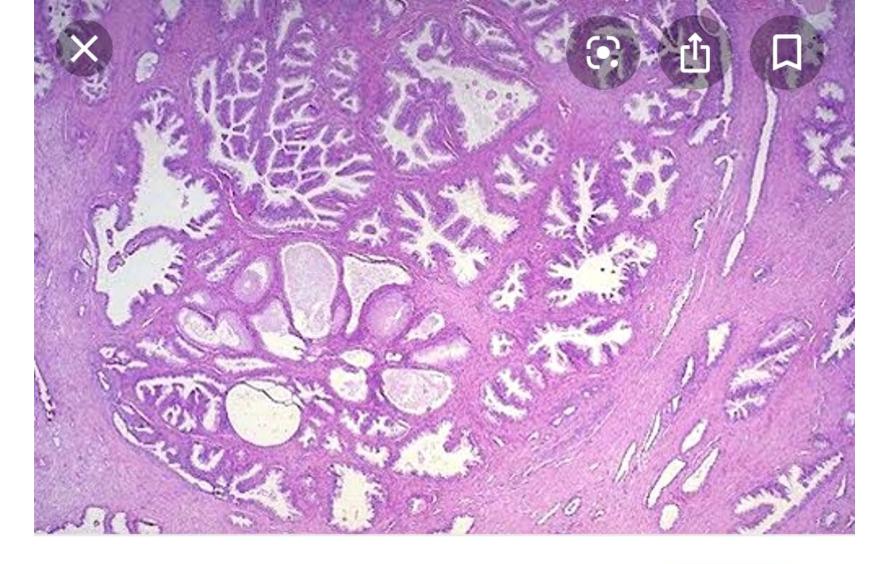
### For Candidate

A splenectomised boy presented with upper respiratory tract infection, ending up with pneumonia. The organism obtained was alpha hemolytic giving the following positive biochemical tests.



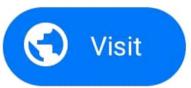
- 1. Name the causative agent. (1)
- 2. Name this biochemical test. (1)
- Name the other alpha hemolytic bacteria. (1)





Pathology Outlines

Pathology Outlines - Nodular hyperplasia



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### 3rd YEAR MBBS GENERAL BACTERIOLOGY OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

### **UNOBSERVERED STATION**

For Candidate:

Marks 04

Time Allowed 04 min



Task:

Nodular Hyper-plesia 1) Identify the lesion (1)

2) Define this process and give key features to identify . (2)

3) Name two other sites where this adaptation can occur. (1) -> Liter + Penereus.

9t's benign tumor af Liver 1cey: - 2nd mast pre-valent tumor af liver Asymptomatic Rorely grows or bleeds No malignant postule.

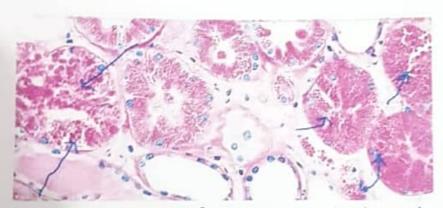
## UNOBSERVERED STATION

For Candidate:

Marks 04

Time Allowed 04 min

This is a photomicrograph of kidney showing tubules of variable sizes with pink coloured granular material.



a- What is the diagnosis Recubsorption droplets in renal Tubules

b- What is the nature of this lesion

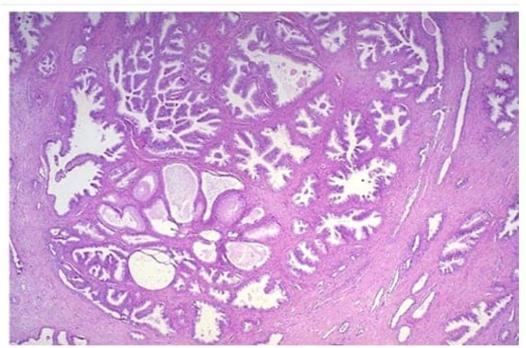
protein accumulation

c- What are two other intercellular accumulations?

Melanin Glycogen occumulation Lipids. Accumulation







Microscopically, benign prostatic hyperplasia can involve both glands and stroma, mough the former is usually more prominent. Here, a large hyperplastic nodule of glands is seen.



|||





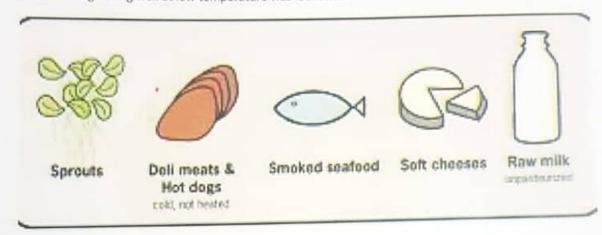
#### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

#### For Candidate

A young lady really fond of eating cheese and other dairy products developed diarrhea. A gram positive rod growing well at low temperature was identified.



- 1. What could be the possible cause? (1)
- 2. What is the pathogenesis of this disease? (1)
- 3. Name one other organism which can cause diarrhea. (1)

Ans: Listeria - monocytogene

Pathogenesis:

Invasion by internalin or E-cadherin

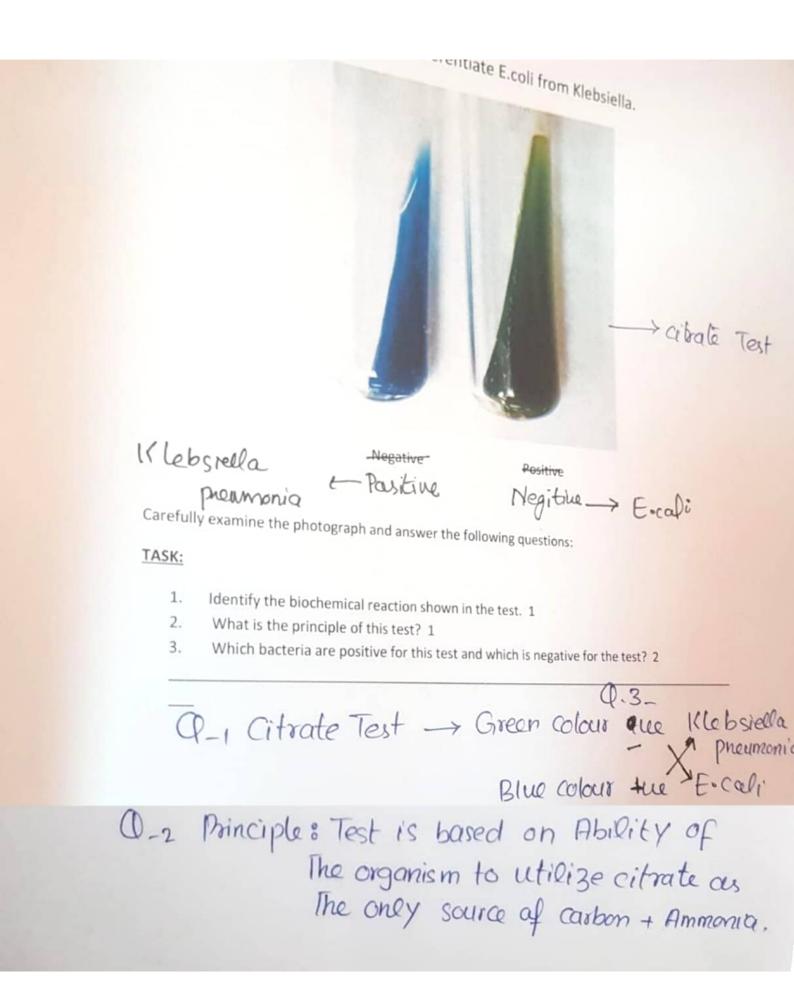
After entering-produce Listeriolysin

escapa from phagosome
grows interacettularly
suppress cell-mediated immunity

pre-dispose to Listeria infection

can move from one cell to another causing intection.

3) Staphaeureus Bacillus corely V. cholera F. cali Scomonella Shigela.



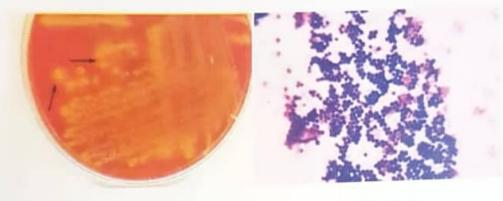
### OBSERVERED STATION

Marks: 03

Time allowed: 04 minutes

### For Candidate

A young female using tampons developed signs and symptoms of shock. Her blood culture and Gram stain revealed the following results:



Blood Culture

Gram Stain

- 1. Name the disease and the pathogen causing it. (1)
- 2. Why are these colonies on blood agar yellow? (1)
- 3. Which virulence factor of bacteria is responsible for her condition? (1)

Q1 - Toxic shock syndrome by Staph accuerus.

Q2 - Caretenoid pigment

Components

Toxins

Enzymes

U

Carotenoid pigment

Toxin shock

Lipases

Syndrome Toxin

Nucleases

Toxins

Alpha Toxin

Protein A

DNase.

- Entero-toxin

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A 27 year old female developed burning micturation, frequency and low grade fever, few weeks after giving birth to her first child. She was suspected to have infection with her normal gut flora. The organism obtained is a very hardy organism, able to resist high temperature and can grow in 6.5% NaCl.

Positive 8.5% NaCl Growth

Salt - Talerance Test.

- 1. Name the organism and its Lancefield group. (1)
- 2. Name other biochemical test used for its diagnosis. (1)
- Name one other disease caused by this organism. (1)

Q- Enterococci - Group D.

Q- Bile-eusculin Test

Q- UTI, endocarditis.

10

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

#### For Candidate

A man after stabbed by robbers on his face developed swollen, lumpy jaw, having fluctuant mass with draining sinuses containing yellow colored granules. He was suspected to have a supporative granulomatous lesion.



- 1. Name the causative agent. (1)
- 2. What are its four sites of involvement? (1)
- 3. Name the bacteria causing caseous granulomas. (1)

Ans: O. No. 1 Actinomyces israelli causing actinomyes.

Q. No.2 - Cervicofacial - Cervicofacial israelli actinomizes. Thoracic - Thoracic actinomyces Abdominal - Abdominal actinomizes Genital - Genital actinomizes.

Q.No.3 - Mycobacterium Tuberculosis.

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A 13 year old child presented with high grade fever, productive cough and tender throat. Blood culture was taken. The colonies grown showed beta hemolysis and were bacitracin sensitive.



- 1. Name the causative agent. (0.5)
- 2. What are the modes of pathogenesis of this organism? (1.5)
- 3. Bacitracin is used to differentiate which two bacteria? (1)

Q-No.1 Strept pyogene

O.NO.02

Superficial infection
Invasine infection
Auto-immune infection.

Q. No. 3

Differentiate strept pyogene and strept agalactice.

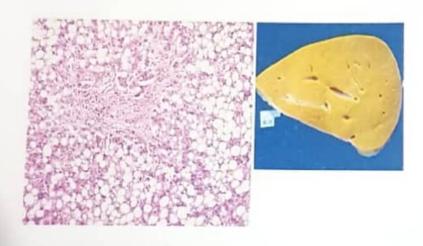
### **UNOBSERVERED STATION**

For Candidate:

Marks 04

Time Allowed 04 min

This is a photomicrograph taken from a 40 years old alcoholic man,



- a- What is the diagnosis 1
- b- Explain the condition of liver on gross and microscopic examination. 2
- What is the nature of this substance accumulated. 1

TAGS

O- Fatty liver (steatosis)

O- Fatty change

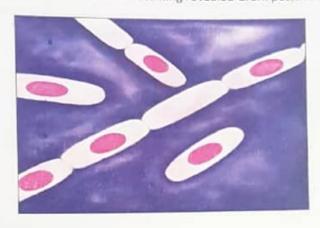
### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

#### For Candidate

A patient especially fond of eating rice, presented with profuse watery diarrhea 1 day after attending an annual dinner of his office. Gram staining revealed Gram positive spore forming rods.



- 1. Name the causative agent. (1)
- 2. What are the two types of diseases caused by it? (1)
- 3. What are the mechanisms of two exotoxins produced by it? (1)

Q. NO. 01 - Baccilus cereus causing Food paisoning O. No.09 - Dirrheal type Emetic type 0. No.03 Q- 1, Enterotoxin (as cholera toxin) Enterotoxin (as shepto coccal)

Stimulate adenyl cyclase Act as super antigen

Stimulate ordenyl cyclase

1 CAMP

COT

HOO

ique

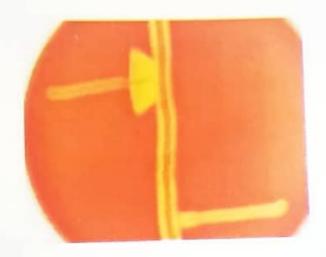
### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A 27 year old female from a rural area, gave birth to a child who was suspected to have meningitis. The mother did not have any screening tests done during her pregnancy. The following test is positive:



- 1. Name the following test. (1)
- 2. Which Lancefield group of Beta hemolytic Streptococci is mainly responsible for causing meningitis in this age group? (1)
- 3. Which biochemical test is used to differentiate these bacteria from other beta hemolytic bacteria? (1)

Q. NO.01 CAMP Test

Q.No.02 Strept. agalactiae. Q.No.3 Bacitracin sensitive.

### 3rd YEAR MBBS GENERAL BACTERIOLOGY OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

### UNOBSERVERED STATION

For Candidate:

Marks 04

Time Allowed 04 min



TASK

- 1) Examine the specimen and identify the lesion. (01)

**6** 

- 2) Give its two common causes.(1)
- 3) What is gangrene and its types (2)

  - Injury and infection due to loss of blood supply
    - is called gangren.
      - O- Bry gangrene

      - 2 wet gangrene3 Gas Gangrene

Lique factive necrosis

Fungal Infections

backerial Infections

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

Sputum culture of a patient having signs and symptoms of pneumonia revealed the following results.



- 1. Why are these colonies green? (1)
- 2. Name the causative agent. (1)
- 3. Name the other organism producing green color on blood agar. (1)
- O-1 Due to incomplete hemalysis (alpha hemalysis) on bloo agar plate.
- Q-2 Streptococcus pheumonia
- 0-3. Streptococcus pneumonia " viridans.

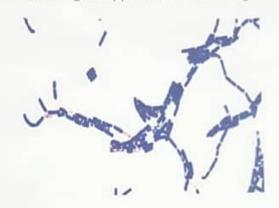
### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

Gram staining of a sputum sample of patient having fever and cough, suspected to have woolsorter's disease, revealed Gram positive rods with square ends. Blood culture revealed Non-hemolytic gray colonies with rough texture and ground glass appearance on blood agar.



- 1. Name the causative agent. (0.5)
- 2. What is the chemical nature of capsule of this organism? (0.5)
- 3. What is the route of transmission of this disease? (1)
- 4. Name two exotoxins produced by this bacteria. (1)
  - Q\_1 Bacillus Anthracis causing cutaneous Anthrax.
    - O.3 Cutaneous Anilhra + 95%.

      Pulmonary Inhabation anthrax 5%.

      Gastrointestinal Anthrax Rare.
      - 0.4 Protective Antigen
        Edema Factor
        Lethal Factor

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A young boy developed fever with chills & production of rusty sputum. He was suspected to have pneumonia. Sputum sample was cultured which revealed lancet shaped gram positive diplococcic.



- 1. Identify the causative agent. (0.5)
- 2. Is this organism alpha hemolytic or Beta hemolytic? (0.5)
- 3. Enumerate two biochemical test used for its diagnosis? (2)

ANS

- O- Streptococcus Pneumonia
- @- Alpha-hemolytic
- 3. Oxidase Test -ve Urease Test -ue Catalose Test-ue

Methyl red the citrate the

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A retired army officer went to the dentist for extraction of his wisdom tooth. The extraction went perfect, but 2 weeks later he started having chest pain, and high grade fever. The organism obtained was optochin resistant.



- 1. Name the pathogen. (1)
- 2. Is it alpha or beta hemolytic? (1)
- 3. Where is this organism present as flora? (1)

Q.No.01 → Strept. Viridans
Q.No.02 → Alpha-hemalytic
Q.No.3 → Human Pharynx
Upper Respiratory Tract.

### 3rd YEAR MBBS GENERAL PATHOLOGY OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

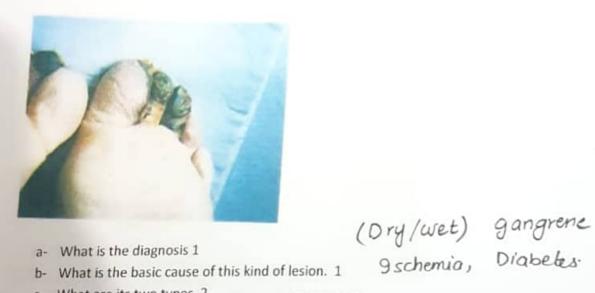
### **UNOBSERVERED STATION**

For Candidate:

Marks 04

Time Allowed 04 min

This is the photomicrograph of a foot of 70 years old diabetic man.



c- What are its two types 2

Dry gangrene Wet gangrene

# OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

## **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A child presented with rigid contraction of jaw muscles, preventing mouth from opening, accompanied by rigidity of neck & trunk muscles & arching of back. History revealed circumcision done in a local clinic in unsanitary conditions, a week ago.



- 1. Identify the disease and the causative agent. (1)
- 2. What is the characteristic appearance of this organism on Gram staining? (0.5)
- 3. Is it an aerobe or anaerobe? (0.5)
- 4. What are the modes of prevention of this disease? (1)

O.No.01 Tetanus caused by clastoidium Tetani

O.No.02 Gram positive rod é terminal spore
oit end
Tennis roclaet appearence

O.No.3 Ancierobe

O.No.4 Tetanus Toxoid + DTaP (Immunization)

Tetanus Ig + Toxoid (Trauma)

Boostor

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A young man very fond of canned smoked fish and mushrooms, developed diplopia, dysphagia and descending weakness ending up in flaccid paralysis, few days after this meal.



- 1. Name the bacteria responsible for his condition and the disease. (0.5)
- 2. How does the toxin of this bacteria works? (1)
- 3. Can the toxin produced by these bacteria be destroyed by heating or cooking? (0.5)
- 4. What are two uses of this toxin? (1)

O.No.01 -> clostridium Botilinum causing Botulism.

O.No.02 -> Botulinum Toxi'n (protease That cleaner protein invalue in Absorb From gut ach-release).

Carried via Blood

PNS (Peripheral Nerous system)

Block ach-release.

O.No.03 Yes at 85°C For 05 minutes—longer

1. No.04 Used to remove wrinkles on Face

minute amount - Rx writer cramp etc

## OBSERVERED STATION

Marks: 03

For Candidate

Time allowed: 04 minutes

A young lady had a septic abortion due to endometritis, ending up in development of gas gangrene. Gram positive anaerobic rod was isolated showing the following picture on blood culture.



- 1. What is evident in this culture plate? (1)
- 2. Name the causative agent. (1)
- 3. Name the selective and anaerobic media used to culture this organism. (1)

O.No.02 Clostoidium Perfringes

O.No.03 - selective Media - Neomycin Blood agar

Anaerobic media- Robert coolced medium.

### 3rd YEAR MBBS **GENERAL PATHOLOGY OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)**

### **UNOBSERVERED STATION**

For Candidate:

Marks 04

Time Allowed 04 min

This is the photomicrograph showing gross appearance of spleen, with blockage of splenic artery.



a- What is the nature of this lesion. 1 Coagulative Necrosis.
b- Describe the gross appearance 1 Wedge shaped Yellow infarct
c- What will be the microscopic picture of this lesion 2

Cellwar Outline with loss of nuclei

### OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE) SPECIAL BACTERIOLOGY

### **OBSERVERED STATION**

Marks: 03

Time allowed: 04 minutes

### For Candidate

A five year old boy developed Diffuse erythematous, maculopapular rash, erythema & edema of hands, strawberry tongue, edema of lips & erythema of oropharynx). Blood culture revealed Gram positive cocci, showing Coagulase positivity and mannitol





- 1. Name the disease and the causative agent. (1)
- 2. What is Beta lactamase and its treatment? (2)

Q-NO.01 Kawasaki syndrome caused by super-antigen of staph Auren Strept-pyoger

Q\_ Beta-lactamase: enzyme produced by bacteria provide resistance to many antibiotic such as pencilling etc

- Cophamyain
- Fostomyain

### 3rd YEAR MBBS OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE) UNOBSERVERED STATION

For Candidate:

Marks 04

Time Allowed 04 min



a- What is the diagnosis 1-> Hypertrophy of muscle

c- What are the factors causing this condition. 2

-> 1 size of cell 1 size of organ. 7 Mechanical shefel Agenists

Growth Factors

### 3rd YEAR MBBS **GENERAL PATHOLOGY** OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

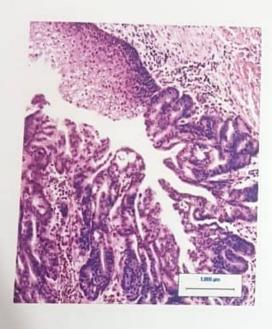
#### **UNOBSERVERED STATION**

For Candidate:

Marks 04

Time Allowed 04 min

This is a photograph taken from esophageal biopsy of a 45 years old man presented with heart burn and dyspepsia. Carefully examine the slide and answer the following questions.



- a- What is the diagnosis 1
- b- Define it, 1
- c- Give two more examples of this condition. 2

- ()- Metaplasia
  (2)- Reversible change
  in which
  one cell Type is replace
  by other cell Type.
- 3. esophagus.
  Gastric Reflux Cervix

## **UNOBSERVERED STATION**

For Candidate:

Marks 04

Time Allowed 04 min

This is a photomicrograph of omentum of a 45 years old man with blow to his abdomen.



a- What is this lesion 1

Fat Necrosis.

b- What are these white areas 1

Foci of fat necrosis with calcium
mekind of lesion?

Soap formation

c- What are other different types of same kind of lesion. 2

### 3rd YEAR MBBS **GENERAL PATHOLOGY** OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

### **UNOBSERVERED STATION**

For Candidate:

Marks 04

Time Allowed 04 min

This is the gross appearance of a lung of a man who was living in closed barak. He died and autopsy was done. His lung had necrosis.



a- What is the diagnosis 1

@ Caseous Necrosis.

a- What is the diagnosis 1
b- What is the nature of this cheesy material. 
b- What is the nature of this cheesy material. 
c- What are other types of similar kind of lesion.

granular debris enclose

with in inflamatory boads.

### 3rd YEAR MBBS **GENERAL PATHOLOGY** OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)

### UNOBSERVERED STATION

Station (Unobserved station)

For Candidate:

Marks 04

Time Allowed 04 min



Task:

1) You are shown a specimen of brain, identify the lesion(1) A to phy & Size of cogan.

2) What is the name of disease in which this specific change can occur and define the

Disease: Alherosclerasis process(02)

3) Name other causes of this type of lesion. (1)

Loss of invervation Loss of Blood supply Edocrine issue I world load.

cerebrowayculor

disease