

Past Papers

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



**MID – Lecture  
(5 to 8) bacteriology**

# microbiology

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﴿ وَإِن تَتَوَلَّوْا يَسْتَبَدِلْ قَوْمًا غَيْرَكُمْ ثُمَّ لَا يَكُونُوا أَمْثَلَكُمْ ﴾

اللهم استعملنا ولا تستبدلنا



Q1 : One of the following is both an enrichment and differential culture media:

- A. Blood agar
- B. MacConkey agar
- C. Mannitol salt agar
- D. Amies medium
- E. None of the above

Answer : A

Q2: The correct order of bacterial growth stages is:

- A. Lag phase > Log phase > death phase > stationary phase
- B. Lag phase > Log phase > stationary phase > death phase
- C. Log phase > Lag phase > death phase > decline phase
- D. Lag phase > stationary phase > death phase > exponential phase
- E. More than one is correct

Answer : B

Q3 :When nutrients in the culture media are depleted and toxic materials accumulated this will lead to?

- A. Stationery phase
- B. log phase
- C. Lag phase
- D. Decline phase
- E. More than one is correct

Answer : E

Q4 :Which of the following method is preferred to be used to sterilize solutions that likely to be damaged by heat?

- A. Filtration
- B. Boiling
- C. Inspissation
- D. Pasteurization
- E. Autoclaving

Answer : A

Q5 :The inactivation of all self-propagating biological entities associated with the materials, is called:

- A. Disinfection
- B. Cleaning
- C. Sterilization
- D. Decontamination
- E. 2 or more are correct

Answer : C

Q6 :The ascending order according to their ability to resist sterilization:

- A. Bacteria, spores, Enveloped Viruses
- B. Spores, bacteria, Enveloped viruses
- C. Enveloped viruses, bacteria, spores
- D. Spores, Enveloped viruses, bacteria
- E. All are incorrect

Answer : C

Q7 :Which of the following is true:

- A. lag phase has the highest acceleration
- B. the doubling time is the same for the same bacterial species at the same conditions
- C. Stationary phase, there is an equilibrium between cell division and death
- D. Log phase, increase in size
- E. Log phase, decrease in protein number

Answer : C



Q8 :One of the following Bacteria is an obligate intracellular: **knowledge improvement**

- A. Clostridium
- B. Mycoplasma
- C. Bacillus
- D. Chlamydia
- E. treponema

Answer : D

Q9: When nutrients in the culture media are depleted and toxic materials accumulated and death in the bacteria is more than replication, this will lead to?

- A. Stationery phase
- B. log phase
- C. Lag phase
- D. Decline phase
- E. Exponential phase

Answer : D

Q10 : The correct order of bacterial growth stages is:

- A. Lag phase > Log phase > death phase > stationary phase
- B. Lag phase > Log phase > stationary phase > death phase
- C. Log phase > Lag phase > death phase > decline phase
- D. Lag phase > stationary phase > death phase > exponential phase
- E. All are incorrect

Answer : B

Q11 : Which of the following is a selective media?

- A. Lowenstein Jensen medium
- B. blood agar
- C. chocolate agar
- D. Robertson's cooked meat medium
- E. None of the above

Answer : A

## Q12 : An example of obligate anaerobes?

- A. Campylobacter species
- B. Helicobacter species
- C. Pseudomonas aeruginosa
- D. Bacteroides fragilis
- E. Brucella

Answer : D

Q13 : The enzyme catalase is only found in:

- A. aerobic bacteria
- B. anaerobic bacteria
- C. all bacteria
- D. facultative anaerobic bacteria
- E. more than one of the above

Answer : E

Q14 : Which of the following grows on nutrients agar?

- A. chlamydia
- B. Treponema pallidum
- C. Mycobacterium leprae
- D. staphylococcus aureus
- E. staphylococcus epidirmidis

Answer : D

Q15 : The period in which bacteria are preparing for rapid proliferation by high metabolic activity is?

- A. the growth phase
- B. lag phase
- C. stationary phase
- D. none of the above
- E. 2 or more are correct

Answer : B



Q16 : After a messy night at the lab, you and your supervisor go home without cleaning up only to return the next morning to find a left over patry dish at the counter with a beta hemolytic obvious activity in it , which of the following bacterium do you expect did this and on what medium

- A. hemophilus influenza .... chocolate agar
- B. staph aureus .... blood agar
- C. shigella bacterium ... XLD medium
- D. Dvibrion bacterium ... TCBS medium Which of the following grows on nutrients agar

Answer : B

Q17 : The last phase of bacterial growth cycle is:

- A. lag phase
- B. stationary phase
- C. death
- D. Exponential
- E. Log

Answer : C

## Q18 : A facultative anaerobic is:

- A. Only grow anaerobically
- B. Only grow in the presence of O<sub>2</sub>
- C. Ordinarily an anaerobe but can grow with O<sub>2</sub>
- D. Ordinarily an aerobe but can grow in absence of O<sub>2</sub>

Answer : D

## Q19 : $\beta$ -haemolytic bacteria is

- A. Streptococcus pyogenes
- B. Str. pneumoniae
- C. Str. Faecalis
- D. None of the above

Answer : A

Q20 :  $\alpha$ -haemolytic streptococci are also known as:

- A. Str. Pyogenes
- B. Virulence group
- C. Viridans group
- D. None of these

Answer : C

**Q21 : Diagnosis of bacterial disease can be made by:**

- A. Finding bacteria in pathological fluids
- B. Isolation of bacteria by culture from exudates or blood
- C. Culturing bacteria, then counting
- D. Both a and b
- E. All are correct

Answer : E

Q22 : The first phase of a growth curve is:

- A. Log phase
- B. Lag phase
- C. stationary phase
- D. Decline phase
- E. Both a and b

Answer : B

Q23 : Rapid bacterial growth phase is known as:

- A. Log
- B. Lag
- C. Stationary
- D. decline
- E. None of these

Answer : A



Q24 : Cells are active and synthesizing new protoplasm.  
This stage of growth is called

- A. Lag phase
- B. Stationary phase
- C. Log phase
- D. Decline phase
- E. All of these

Answer : C

**Q25: The organisms which can grow best in the presence of a low concentration of oxygen:**

- A. Aerophilic
- B. Microaerophilic
- C. Aerobic
- D. Anaerobic
- E. 2 or more are correct

Answer : B

**Q26 : The most active stage in the sigmoid curve of bacteria in which maximum growth is attained:**

- A. Lag phase
- B. Stationary phase
- C. Decline phase
- D. Log phase
- E. None of the following

Answer : D

**Q27: Growth curve does not include following phases of bacteria –**

- A. Decline phase
- B. Stationary phase
- C. Lag phase
- D. Synchronous growth
- E. All are correct

Answer : D

**Q28 : Bacteria are more sensitive to antibiotics at which phase of growth curve?**

- A. Decline phase
- B. Stationary phase
- C. Lag phase
- D. Log phase
- E. None of the following

Answer : D

Q29: Log-phase is also known as

- A. Death phase
- B. Exponential phase (invasive)
- C. Lag-phase
- D. Incubation period phase
- E. None of the following

Answer : B

Q30 : Which of the following defines the inactivation of all self-propagating biological entities (100% killing):

- A. Disinfection
- B. Cleaning
- C. Decontamination
- D. Sterilization
- E. Antisepsis

Answer : D

**Q31 : Arrange the microorganisms in ascending order according to their ability to resist sterilization:**

- A. Enveloped viruses, bacteria, spores
- B. Spores, bacteria, Enveloped viruses
- C. Bacteria, Enveloped viruses, spores
- D. Fungi, Bacteria, Prions
- E. Prions, Bacteria, Fungi

Answer : A



## Q32 :What is the function of ethylene oxide?

- A. Denaturation of proteins and DNA by cross-linking functional groups.
- B. Renaturation of proteins and DNA by cross-linking functional groups.
- C. Culturing bacteria
- D. Needs only an hour to complete the process
- E. 2 or more are correct

Answer : A

For any feedback, scan the code or click on it.



Corrections from previous versions:

Versions	Question #	Before Correction	After Correction
V1 → V2			
V2 → V3			