

Write Short Note (Any Three)

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1. Capsule
2. Difference Between Gram +ve & Gram -ve
3. Fungi
4. Lab diagnosis of P. Vivax
5. Hydatid Cyst

Q.4 Multiple Choice Question

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1. Which of the following bacteria is responsible for causing Food poisoning?
A) Staphylococcus
B) Mycobacterium tuberculosis
C) Streptococcus pneumoniae
D) Escherichia coli
2. Which fungal infection is commonly associated with immunocompromised individuals such as HIV/AIDS patients?
A) Candidiasis
B) Aspergillosis
C) Cryptococcosis
D) Histoplasmosis
3. Which parasite is transmitted through the bite of infected female Anopheles mosquitoes?
A) Plasmodium falciparum
B) Toxoplasma gondii
C) Trypanosoma cruzi
D) Leishmania donovani
4. What is the approximate size of the bacterial cell?
A) 1 mm in diameter
B) 0.5 to 1.0 micrometer in diameter
C) 2 mm in diameter
D) 2 micrometer in diameter.
5. Which among the following are "spirochetes"?
A) streptomyces sp.
B) Treponema pallidum
C) spirillum volutans
D) Corynebacterium diphtheriae

SECTION - II

Q.5 Explain morphology and replication of virus.

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OR

Explain morphology, clinical features & lab diagnosis of Dengue virus.

Q.6 Define & classify Sterilization. Describe name of physical agents used in Sterilization? Explain sterilization by moist heat in detail?

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OR

Answer the following

- 1) Active Immunity
- 2) Source and transmission of infection

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Q.7 Short notes (Any 3)

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- 1) Bacterial nutrition
- 2) Morphology of rabies virus
- 3) Antigen and Antibody
- 4) Culture media
- 5) C/F of Measles virus

Q.8 Write the Answer

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- 1) Diplococci bacteria _____ (Leptospira / Gonococci)
- 2) Which is the RNA virus _____ (HBV / Measles)
- 3) Organ of adhesion in bacteria _____ (Fimbriae / Flagella)
- 4) Anaphylactic reaction seen in which type of hypersensitivity _____ (V / I)
- 5) Presence of virus in blood is known as _____ (Viraemia / Bacteremia)
