MB-403

Medical Microbiology

**Very Short Answer Questions**-

1.Which T cell population is affected by HIV?

2.What is the nature of genetic material of AIDS virus?

3.Name two drugs effective against AIDS virus?

4.Why HIV is known as retrovirus?

5.What is the simple meaning of hepatitis?

6.What is the genetic material of AIDS virus?

7.By which rate does varicella zoster virus gets transrutted?

8.What is the site of infection of varicells zoster virus?

9.What are congenital diseases?

10.What are neonatal disease?

11.Name are effective drug against influenza virus?

12.What does H and N strands for in influenza virus?

13.Rabies virus belongs to which family?

14.What is the full form of MRSA?

15.Name two enzymes produced by staphylococcus?

16.what is two function of Leukocidin?

17.What is the function of Hyalurenidase?

18.Give two examples of acid fast bacteria?

19.What is the main component/content of cell wall of mycobacteria?

20.Name are media for growing mycobacteria?

21.Name one media for growing mycobacteria?

22.Give full form of BCG/

23.Which vaccine can prevent from TB?

24.M. leprae affects which past of peripheral nerves?

25.Name two drugs for treating TB?

26.Name two diseases caused by Nesseria gonorrhea/meningitis?

27.Which toxins produced by vibrio?

28.Name the toxin produced by clostridia perfringer?

29.Name the toxin produced by clostridia botulinum?

30.Name the toxin produced by clostridia tetnai?

31.What is Botox?

32.What is the full form of VDRL

33.What is the full form of FTA-ABS

34.What is the full form of ELISA

35.Leptospirosis is caused by?

36.Leptospirosis is also known as?

37.Syphilis is caused by\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

38.Which microscopy detects spirochates?

39. Name 3 important genera of spirochates causing human disease?

40.Name the causative agent of mycetoma?

41.Name the causative agent of Rhinosporidiosis?

42.Name the causative agent of Aspergillosis?

43.Name the causative agent of Histoplasmosis?

44.Name the causative agent of Ringworm?

45.Name the causative agent of Candidosis?

**Short Answer Questions-**

1.What is acute hepatitis?

2.What is fulminant hepatitis?

3.What is hepatoma?

4.What is cirrhosis?

5.What are subunit vaccines?

6.What is chronic infection?

7.What is shingles?

8.What is cytopathic effect?

9.What does neuraminidase does?

10.Define epidemic?

11.Define panademic?

12.Define antigenic drift?

13.Define antigenic shift?

14.How does Amantadine works?

15.How does zonamavir works?

16.What is the role of various enzymes secreted by staphylococcus?

17.Define granuloma / tubercle?

18.What is lepromatous leprosy?

19.What is Tuberculoid leprosy?

20.How tuberculosis can be diagnosed?

21.What are asymptomatic disease?

22.What short note on gonorrhea?

23.Write short notes on meningitis?

24.How does cholera toxin act?

25.Name two cholera toxin act?

26.What is the epidemiology of vibrio?

27.Write short note on botulinum?

28.Write short note on tetnus?

29.Write short note on gas gangvene?

30.Define exotoxin?

31.Define endotoxin?

32.What is alpha- hemolysis?

33.What is beta- hemolysis?

34.What is gamma- hemolysis?

35.What is myonecrosis?

36.What is risus sardonicus?

37.Write short note on syphilis?

38.Write short note on borrelia?

39.Define dimorphic fungi?

40.Define superficial mycosis?

41.Define systemic mycosis?

1. How does Cell wall inhibiting antibiotics works?
2. How does Cell membrane inhibiting antibiotics works?
3. How does protein inhibiting antibiotics works?
4. How does DNA inhibiting antibiotics works?
5. How does RNA inhibiting antibiotics works?
6. How does enzymes found in aerobes protect them from free radicals?
7. Define alteration of target sites.
8. Define drug resistance.
9. What are interchelating agents. Give examples.
10. What is By- pass mechanism of Drug resistance?

**Long Answer Questions-**

1.Describe in detail the symptom pathogenesis transmission and control of polio?

2.Describe in detail the symptom pathogenesis transmission and control of chicken pox?

3.Describe in detail the symptom pathogenesis transmission and control of hepatitis?

4.Describe in detail the symptom pathogenesis transmission and control of rabies?

5.Describe in detail the symptom pathogenesis transmission and control of influenza?

6.Describe in detail the symptom pathogenesis transmission and control of AIDS?

7.Describe in detail the important disease caused by rickettsia?

8.Describe in detail the important disease caused by spirochates?

9.Describe in detail the important disease caused by staphylococci?

10.Describe in detail the important disease caused by nesseria?

11.Describe in detail the important disease caused by clostridium?

12.Describe in detail the important disease caused by mycobacteria?

13.Describe in detail the important disease caused by vibrio?

14.Describe in detail the important disease caused by chlamydia?

15. Describe in detail bacterial toxins. Differentiate between exotoxin and endotoxin?

16.Describe in detail the importance of normal microflora of human body?

17.Describe in detail sepsis syndrome?

18.Describe in detail collection transport and culturing of clinical samples?

19.Describe in detail host parasite relationship and its importance?

20.Describe in detail systemic mycosis?

21. Describe in detail superphicial mycosis?

22. Describe in detail ringworm and its prevention?

23. Describe in detail epidermology, diagnosis and treatment of rhinosporidiosis?

24. Describe in detail epidermology, diagnosis and treatment of mycetoma?

25. Describe in detail epidermology, diagnosis and treatment of Aspergillus?

26. Describe in detail epidermology, diagnosis and treatment of Histoplasmosis?

27. Describe in detail the chemotherapy of fungal disease?

28.Describe in detail mechanisms of drug resistance?

1. Describe in detail drug resistance and its mechanisms?
2. Describe in detail radiation sensitivity.
3. Describe in detail cell wall affecting drugs and their mechanisms
4. Describe in detail cell membrane affecting drugs and their mechanisms
5. Describe in detail protein synthesis affecting drugs and their mechanisms
6. Describe in detail DNA synthesis affecting drugs and their mechanisms