089/20

The West Bengal University of Health Sciences M.D. (Microbiology) March- April, 2020 Examination

Paper: II

Full Marks: 100 Time: 3 Hours

Attempt all questions

1.	Discuss the recent advances in the laboratory detection of Mycobacterium tube	erculosis
	complex & drug resistance. Define MDR, XDR- TB.	10
2.	Discuss the application of the CLSI/ EUCAST 2020 document in Clinical Micro	biology
	reporting.	10
3.	Discuss Community Acquired pneumonia with respect to clinical features, e	etiology
	agents, treatment guidelines along with drug resistance issues.	10
4.	Differentiate between sepsis & septic shock. Discuss the overall management of	such a
	pattern with special emphasis on antibiotic selection.	10
5.	Discuss epidemiology & laboratory diagnosis of leptospirosis in Indian context.	10
6.	Enlist the fungal agents responsible for chronic meningitis. Discuss lab diagnosis	of such
	cases.	10
7.	Discuss the pathogenesis & diagnosis of diseases caused by halophilic vibrios.	10
8. 3	Discuss about types of Pneumococcal vaccines, it's indications & schedule of use.	10
9.	What are the virulence factors of Neisseria gonorrhoea. Write briefly on drug resi	istance
(of N. gonorrhoea.	5+5
10.1	Write an easy on surgical site infection.	10