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

Paper: I

Full Marks: 100 Time: 3 Hours

Attempt all questions

1.	What are the basic components of an Antibiotic Stewardship programme that
	contribute to control of development & transfer of multi drug resistance? 10
2.	Discuss Bio safety risk levels of micro- organisms with examples & reasons
	for this classification. Discuss Bio safety levels & class with respect to Bio
	safety Cabinates. 5+5
3.	Discuss the role of Acute Phase reactants in diagnosis of sepsis.
4.	Discuss briefly about the effects of complement activation. Mention the
	diseases associated with complement deficiency. 5+5
5.	Write an easy on the role of MHC molecules in immune response.
6.	What are the different methods adopted by parasites to avoid elimination by
	host.
7.	Discuss 'Toll like receptor'.
8.	Discuss the vectors used in genetic engineering with special reference to
	vaccine production.
9.	Write a short easy on CSSD.
10	. Write briefly on fluorescent microscopy & its role in diagnostic
m	icrobiology.