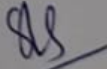


6.	Discuss suppurative and non suppurative manifestations of Streptococcus pyogenes (10 Mark). b) Describe pathogenesis and lab diagnosis of acute rheumatic fever (10 Mark).	Dr. Anwasha Dr. Tejaswini	Dr. G. Agrawal
7.	a) Describe various virulence markers (3 Mark), epidemiology (3 Mark) and advances in prophylaxes of Streptococcus pneumoniae (4 Mark). b) Describe the lab diagnosis of a case of pneumococcal pneumonia (7 Mark). Discuss drug resistance in pneumococci. (3 Mark).	Dr. Renuka Dr. Rupali	Dr. S. Bhise
8.	Enumerate the species of enterococci commonly associated with human infection (5 Mark). Write important characters of enterococci (5 Mark). b) Describe the mechanism of resistance in VRE and its detection (10 Mark).	Dr. Shrikant K. Dr. Akash	Dr. S. Agarwal
9.	Describe the antigenic structure, pathogenesis, antibiotic resistance and lab diagnosis of gonococci. (10 Mark) b) Describe the pathogenesis and lab diagnosis of meningococcal meningitis (7 Mark). Give an update on meningococcal vaccine (3 Mark).	Dr. Swati Dr. Akansha	Dr. S. Gajbhiye
10	a) Explain infections caused by Clostridium perfringens (10 Mark). b) Describe the risk factors (2 Mark), clinical presentation (3 Mark) and laboratory diagnosis of Clostridium difficile infection (5 Mark).	Dr. Ruchita Dr. Neha B.	Dr. R. Meshram


 Prof. & Head
 Dept. of Microbiology
 Govt. Medical College Nagpur