

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE -27  
MID SEMESTER TEST – AUGUST 2016  
M.Sc. MICROBIOLOGY – III SEMESTER  
MB 9216- MEDICAL MICROBIOLOGY

Time: 1 ½ hours

Max. Marks:35

**I. Answer any FIVE of the following.**

**5x2=10**

1. What are Hulle cells?
2. Define Kerions. Name the disease(s) that they are unique features of.
3. Explain the distinguishing features of Tinea Capitis and mention the causative agent(s).
4. Why has *Staphylococcus aureus* become resistant to penicillin?
5. How would you diagnose a person is suffering from Lepospirosis?
6. What are catechols and hydroxymates? Give an example for each.
7. Define Recurdence and Relapse

**II. Answer any TWO of the following.**

**2x5=10**

8. List and emphasize on the characteristic features of the genus *Trichophyton*.  
What is the medical significance of this organism?
9. Explain the principle, procedure and importance of the tube dilution test.

**III. Answer any ONE of the following.**

**1x10=10**

10. Describe the condition named as "Aspergillosis". Elucidate on the different types of infection manifested.
11. Explain extracellular proteases, phospholipase C and alginate with regard to virulence in an organism that causes swimmer's ear.

**IV. Answer the following.**

**1x5=5**

12. How can a bacterial product contaminated in pharamaceutical products like antibiotics and Intravenous solutions be tested?