

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27

MID SEMESTER TEST: AUGUST 2018

B.Sc BIOTECHNOLOGY- I SEMESTER

16.8.2018

BT 118: Fundamentals of Biochemistry and Microbiology

Time: 60 Min

Max Marks: 30

Note: The question paper has **TWO SECTIONS** and **ONE** printed page.

I. Answer any FIVE of the following

5x2=10

1. State any four physical methods used in control of microorganism.
2. State the contributions of Robert Koch in the field of microbiology.
3. How is antibiotic resistance developed?
4. What is Thermal death point?
5. Define enantiomers.
6. What is mutarotation? Give example.

II. Answer any TWO the following

2x10=20

7. Discuss the mode of action of antibiotics with an example for each type.
8. Discuss any three modern techniques that are used to indentify/classify bacteria.
9. Differentiate between amylose and amylopectin. Describe any two heteropolysaccharides in detail.