

RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

FIRST YEAR [2018-21]

B.A./B.Sc. FIRST SEMESTER (July – December) 2018

Mid-Semester Examination, September 2018

Date : 26/09/2018

MICROBIOLOGY (General)

Time : 12 noon – 1 pm

Paper : I

Full Marks : 25

1. a) State the major contributions of the following scientists in the field of microbiology : [1.5×2]
 - i) Louis Pasteur
 - ii) Joseph Lister
- b) What is Germ theory of disease? [2]
- c) Differentiate between light microscope and electron microscope. [2]
- d) What do you mean by 'Resolving Power' of a microscope? [2]
2. a) What is the difference between hypha and mycelium ? [2]
- b) What is appressorium ? [2]
- c) Write down the function of haustoria. [2]
- d) What is oogamy ? [2]
3. a) Define 'Selective media' and 'differential media'. Explain with example. [1.5+1.5]
- b) "Oxygen is both beneficial and toxic for microorganisms." Explain. [3]
- c) "Is nutrient broth an universal medium?" Explain. [2]

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