

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATIONS-2022

M.Sc.-I Semester (Microbiology)

COURSE CODE (CREDITS): **21MS1MB111**

MAX. MARKS: 15

COURSE NAME: **Microbiology and Bacteriology**

COURSE INSTRUCTORS: **Dr. Ashok Kumar Nadda**

MAX. TIME: 1 Hour

Note: All questions are compulsory. Marks are indicated against each question in square brackets.

Section I

Q1. Answer the following questions

- a) How does the Redi's and Jablot's experiment disapprove the theory of abiogenesis?
(Mark 1)
- b) Discuss the contribution of Louis Pasteur in the development of field of microbiology.
(Mark 1)
- c) What are the Endospores? Give the two examples of the bacteria that produce the spores.
(Mark 1)
- d) Who is known as father of modern Chemotherapy? **(Mark 1)**
- e) What is the source of agar and name the scientist the used the agar for first time as a solidifying agent to harden media? **(Mark 1)**

Section II

Q 2 Discuss the various postulates of germ theory given by Robert Koch. **(Marks 1.5)**

Q 3 Discuss the basis of Carl Woese three domain system of classification. **(Marks 1.5)**

Q 4 How the selective media does differs from Differential media? Give examples. **(Marks 2)**

Section III

Q 5 What are various physiological characteristics of archebacteria? Discuss various types of archebacteria. **(Marks 2.5)**

Q 6 With the help diagram explains the difference between Gram positive and Gram Negative bacteria. Give suitable examples. **(Marks 2.5)**