

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2023

M.Sc.-I Semester (Microbiology)

COURSE CODE (CREDITS): ~~20~~20MS1MB311 (03)

MAX. MARKS: 15

COURSE NAME: Environmental Microbiology

COURSE INSTRUCTORS: Ashok Kumar Nadda

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

(b) Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Section I

Q 1 Very short answer type questions

- Name the diseases caused by radioactive pollution? (Mark 1)
- Explain the meaning of leachate and refuse. (Mark 1)
- What are the common sources of phthalates and polyflouroalkyl substances? (Mark 1)
- Give the examples of nitrogen fixing free living prokaryotes? (Mark 1)
- Give the example of common hazardous material present in home and their effect on human health? (Mark 1)

Section II

Q 2 Write in detail about the causes and harmful effects of noise pollution. (2.5 marks)

Q 3 Give a detailed account of various types of Bioadhesives and Biolubricants? Explain briefly their applications in day to day life. (2.5 marks)

Section III

Q 4 Discuss briefly the sources and effects of Lead Mercury, Arsenic and Polychlorinated biphenyls on the health of human beings. (2.5 marks)

Q 5 Give a brief account of principles and various types of *in situ* bioremediations. (Mark 2.5)