

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: IMSc
BRANCH: FT

SEMESTER : I
SESSION : MO/2022

SUBJECT: BE203 MICROBIOLOGY

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
-

- Q.1 How you can differentiate between Gram-positive and Gram-negative bacteria? [10]
- Q.2(a) How you can isolate the pure culture of bacteria from a mixed population? [5]
Q.2(b) Name of different media used for culturing the bacteria? [5]
- Q.3 How microbes are useful for bioremediation of waste contaminated sites? [10]
- Q.4 Describe the different plant-growth-enhancing properties of bacteria? [10]
- Q.5 Describe the various disease/infection caused by bacteria and its possible treatments? [10]

::::::20/03/2023::::::M