

**GIET UNIVERSITY, GUNUPUR – 765022**

M. Sc (Fourth Semester – Regular) Examinations, May – 2021

BTPC 401 - Environmental Biotechnology**(Biotechnology)**

Time: 2 hrs

Maximum: 50 Marks

(The figures in the right hand margin indicate marks.)**PART – A****(2 x 10 = 20)**

Q.1. Answer all the questions

- a. Biological Oxygen Demand
- b. What are the current waste water treatment gaps and challenges?
- c. Secondary air pollutants
- d. Carbon Mono oxide poisoning
- e. Inorganic pollutants
- f. Cadmium toxicity
- g. Suspended particulate matter
- h. Best treatment option available for dairy waste water
- i. Biopesticides
- j. Biosorption

PART – B**(6 x 5 = 30 Marks)**Answer ANY FIVE questions (GIVE DIAGRAM/MODEL/FLOW CHART AS REQUIRED)

Marks

2. Describe the water pollution, its impact and possible control mechanisms. (6)
3. How the pollutants are measured? (6)
4. Enumerate the available treatment methods for waste water of sugar industry (6)
5. Role of microbes in waste water treatment (6)
6. Write a note on the source, impact and treatment option available for heavy metal pollution (6)
7. Bioleaching (6)
8. Describe the different methods of solid waste management (6)
9. Role of aquatic plants in waste water treatment (6)

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