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**GIET UNIVERSITY, GUNUPUR – 765022**

M. Sc. (First Semester) Examinations, May – 2021

**20BTPC104 – MICROBIOLOGY**

(Biotechnology)

Time: 2 hrs

Maximum: 50 Marks

(The figures in the right hand margin indicate marks.)

**PART – A****(2 x 10 = 20 Marks)**Q.1. Answer **ALL** questions

- Write two inventions of Robert Koch
- Define Peptidoglycan
- Explain pBR322 plasmid.
- What is slime mold.
- Define Clotrimazole
- Define the Autoclave
- Write note on Non enveloped viruses.
- What is Prions.
- What is BOD
- Define Prebiotic

**PART – B****(6 x 5 = 30 Marks)**Answer **ANY FIVE** the questions

Marks

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| 2. Write notes on Spontaneous generations.                 | (6) |
| 3. Give an account of Bacterial Growth curve.              | (6) |
| 4. Write about the stages of endospore forming in bacteria | (6) |
| 5. Describe the pathogenesis of Pseudomonads               | (6) |
| 6. Explain the types of Antiviral Agents                   | (6) |
| 7. Describe the structure of TMV                           | (6) |
| 8. Describe the fuel synthesis microbes.                   | (6) |

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