

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
MGU-UGP (HONOURS)
FIRST SEMESTER PRACTICAL EXAMINATION
(2024 ADMISSION ONWARDS)
MG1DSCZIM101 - INTRODUCTION TO MICROBIAL WORLD

Duration : 2 hrs

Maximum marks :35

Certified Record : 10 marks

- | | | |
|---|--------------------|-------------------|
| 1) Perform Gram-staining techniques | [Analyse] [CO2] | 8 marks |
| Principle and Performance | 4 marks | |
| Result and recording | 4 marks | |
| | | |
| 2) Perform Lactophenol cotton blue Mounting | [Analyse] [CO6] | 8 marks |
| Principle and Performance | 4 marks | |
| Result | 4 marks | |
| | | |
| 3) Identify and comment on given spotters | [Understand] [CO6] | (4 x 2 = 8 marks) |
| a Identify the media | | |
| b Identify the Instrument | | |
| c Identify the reagent | | |
| d Identify the object | | |
| 4) Viva | [Understand] [CO6] | 1 marks |

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MGU-UGP (HONOURS)

FIRST SEMESTER PRACTICAL EXAMINATION

(2024 ADMISSION ONWARDS)

MG1DSCZIM102 – Fundamentals of Biochemistry

Duration: 2 hrs

Maximum Marks: 35

Certified Record-10 Marks

1.Verification of Beer-Lambert's Law [Analyze] [CO6] **8 Marks**

Principle & Procedure 4 Marks

Graph & Result 4 Marks

2.Determination of pH by using pH meter [Analyze][CO2] **8 Marks**

Principle & Procedure 4 Marks

Observation & Result 4 Marks

3. Identify and comment on given Spotter [Understand] [CO6] **(4*2=8 Marks)**

1.Identify the Instrument

2.Identify the Glass ware

3.Identify the Reagent

4.Identify the Scientist

4. Viva [Understand] [CO6] **1 Mark**