

2020

**MICROBIOLOGY - GENERAL**

**PRACTICAL EXAMINATION**

**PAPER : CC-3/GE3**

**MICROBIAL METABOLISM**

**SEMESTER –3 ( GENERAL )**

**MCB-G-CC-3-3-P**

**The figure in the given margin indicates the full marks**

TIME: 2HOURS

FULL MARKS : 30

1. Draw a growth curve of E coli and plot OD vs Time curve and calculate the generation time from the following data , convert the OD value to CFU/ml and calculate. **1 OD = 1 X 10<sup>3</sup> CFU / ml**

TIME	0	30	60	90	120	150	180	210	240	270	300	330
OD	0.01	0.01	0.01	0.03	0.24	0.39	0.53	0.60	0.65	0.70	0.76	0.8

Write the result under the following heading:

- a) Principle
- b) Procedure
- c) Conversion of OD in CFU/ml
- d) Graph
- e) Calculate the generation Time

3+2+3+7+5

- 2. Lab note book 5
- 3. Viva – voce 5