T(6th Sm.)-Microbiology-H/Pr./DSE-B-3P/CBCS

2021

MICROBIOLOGY — HONOURS — PRACTICAL

Paper : DSE-B-3P

(Instrumentation and Biotechniques)

Full Marks : 30

The figures in the margin indicate full marks.

- 1. (a) Draw a ray diagram of Phase contrast microscopy.
 - (b) Write down the procedure of TLC in a flowchart.
 - (c) Calculate the R_f value of the given amino acids A and B.
 - [Given Sample front of A = 1.25 cm Sample front of B = 3.1 cm Solvent front = 5 cm] 5+3+2
- 2. Plot absorbance vs. conc. of BSA solution and from the graph calculate the extinction coefficient.

[Given	٠
LOIM	٠

Conc. of BSA	Absorbance of BSA
0·2 mg/ml	0.185
0·4 mg/ml	0.370
0·6 mg/ml	0.570
0·8 mg/ml	0.760
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Formula,

Slope $(m) = \frac{y_2 - y_1}{x_2 - x_1}$. Pathlength b = 1 cm]

6+3+1

3. Laboratory notebook and viva voce.

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