

ASUTOSH COLLEGE
DEPARTMENT OF BOTANY
BOTANY HONOURS
B.Sc. SEMESTER V: (CBCS UNDER CU)
CORE COURSE – 12
PRACTICAL- BIOCHEMISTRY (BOT-A-CC-5-12-P)

TIME: 1^{1/2} HOURS

FULL MARKS: 30

Q1. Give two biochemical tests for each pair (mentioning experiment, observation, inference) to distinguish between 5x2=10

- i. glucose and fructose
- ii. citric and tartaric acids

Q2. Explain the underlying principle of **any two** of the following 5x2=10

- i. Formol titration
- ii. Quantitative estimation of catalase activity
- iii. Quantitative estimation of urease activity

Q3. Mention the **essential** reagents (with composition) for 5x2=10

- i. Colorimetric estimation of protein by Lowry's method
- ii. Quantitative glucose estimation by BQR

Mail your scanned answer scripts to asutoshbotany@gmail.com