

Bankim Sardar College

B.Sc. Part III Examination

2020

Botany Honours

Paper: VIII (Practical)

Time: 2 Hours

Full Marks: 100

1.

- a) Give the requirements and discuss the procedure of plant chromosome analysis from root tip cells of *Allium cepa*. Write down the chromosome number of *Allium cepa* and *Aleo vera*.

(3 + 5 + 2 = 10)

- b) Two types of seeds are given. Yellow seeds and brown seeds are 50 and 14, respectively. They are segregated in the ratio 3:1. Perform the Chi square test.

(10)

2.

- a) Describe the principle and procedure of the Gram staining? How do you differentiate Gram +ve and Gram -ve bacteria microscopically?

(3 + 5 + 2 = 10)

- b) Discuss the requirements and procedure for the isolation of pathogen from disease leaf.

(5 + 5 = 10)

3. Identify with reasons:

(5 X 4 = 20)

a)



b)



c)



d)



4. Class attendance

(10)

5. Class performance/ internal assessment

(10)

6. Laboratory note book

(10)