

ASUTOSH COLLEGE
DEPARTMENT OF BOTANY
B. Sc. HONOURS (BOTANY)
SEMESTER – I
CBCS (UNDER C.U.)

BOTA-CC1 : PRACTICALS
PHYCOLOGY AND MICROBIOLOGY (BOT-A-CC-1-1-P)

TIME: 1^{1/2} HOURS

FULL MARKS: 30

1. Answer the following:

1X5=5

- a. Name an instrument used for sterilizing microbial media.
- b. Name the male reproductive structure of *Chara*.
- c. Why is agar agar used in microbial media?
- d. What is nannandrium?
- e. State one difference between slant and stab.

2. Write down the flow chart of the Gram staining process.

6+4=10

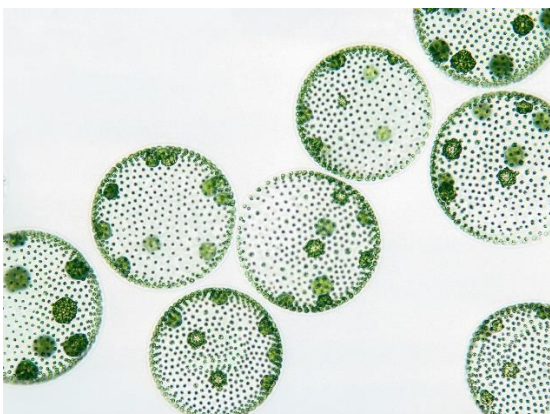
State the microscopic observation of the following specimen :

SPECIMEN	COLOUR OF THE SPECIMEN UNDER THE MICROSCOPE	SHAPE OF THE SPECIMEN UNDER THE MICROSCOPE
Gram positive coccus		
Gram negative bacillus		

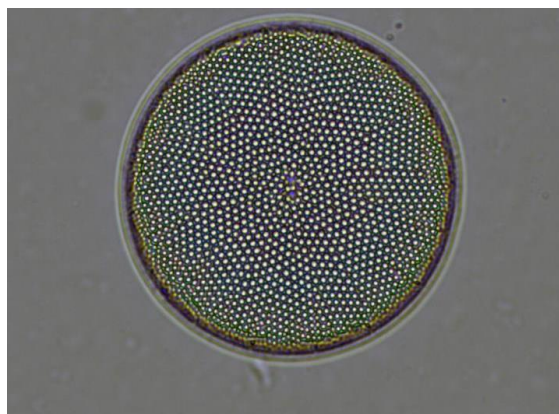
2. Identify the following specimen with reasons :

5X3=15

SPECIMEN A



SPECIMEN B



SPECIMEN C



SPECIMEN D



SPECIMEN E



Note: Answer scripts must be mailed in PDF format within 30 min of the end of the exam to the email id: asutoshbotany@gmail.com