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PG (CBCS)  
M.SC. Semester- III Examination, 2023  
BOTANY  
PAPER: BOT 396.1C  
(PRACTICAL)



Full Marks: 25

Time: 3 Hours

The figures in the right-hand margin indicate full marks.  
Candidates are required to give their answers in their own words as far as practicable.

**BOT 396.1C: CYTOGENETICS, MOLECULAR BIOLOGY AND  
BIOTECHNOLOGY: CYTOGENETICS**

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| 1. Make a suitable preparation of the supplied specimen 'A' following the suitable staining procedure. Identify two abnormal stages and calculate the abnormality index. (Preparation of slide:2; Drawing:2; Comment:2) | 6   |
| 2. Make a suitable preparation of the supplied specimen 'B' and 'C and compare the sterility percentage. (Preparation of slide:2; Description:2; Comment:2)   | 6   |
| 3. Identify the Supplied specimen 'D' and 'E'.  | 2+2 |
| 4. Submission of practical notes book.  | 4   |
| 5. Viva-voce.   | 5   |

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