

2022

**ZOOLOGY — HONOURS — PRACTICAL**

**Paper : CC-4P**

**(Cell Biology)**

**Full Marks : 30**

*The figures in the margin indicate full marks.*

1. Make a temporary stained squash preparation from Grasshopper testis lobes. Identify 'any one' meiotic cell division stage from your preparation. Draw, label and mention 'two' identifying characters of the stage identified. 4+1+(2+1+2)
  2. Identify with reasons the mitotic stages marked as 'A' and 'B' from the stained preparations of Onion root tip cells. 2+2
  3. Prepare a smear of buccal squamous epithelium to show the presence or absence of Barr body. Write the Procedure in brief and comment on your observation. 4
  4. Briefly write the Principle of Feulgen staining of DNA. Mention the chemistry of Feulgen reaction. 2+1
  5. Laboratory Notebook. 4
  6. Vlva voce. 5
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