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5 SEM TDC ZOO G 2 PR B

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(November)

ZOOLOGY

(General)

Course : 502

(**Genetics and Molecular Biology**)

(**Practical**)

Full Marks : 32

Pass Marks : 13

Time : 4 hours

*The figures in the margin indicate full marks
for the questions*

PART—B

1. A homozygous black guinea pig (BB) is crossed with homozygous white guinea pig (bb). Calculate the phenotypic and genotypic ratios of that cross in F_2 generation. 2+3+3=8

(2)

2. Construct a trinucleotide using balls and sticks. 4
3. Prepare a slide of the given specimen to study the different stages of mitosis. Identify the stage and draw a labelled diagram. 2+3+2+3=10
4. Practical record book. 5
5. Viva voce. 5
