

2021

**ZOOLOGY HONOURS- PRACTICAL EXAMINATION**

**Paper: CC2-3-P**

**Full Marks: 30**

*The figures in the margin indicate the full marks.*

1. Draw and label (*at least 4 parts*) the **Nervous System of *Periplaneta* sp.**

**6+4=10**

2. Identify the following specimens (**A, B, C, D**) with systematic position and two salient features for each.

**(1+2+2) X 4 = 20**

**A**



**B**



**C**



**D**



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**ZOOLOGY HONOURS- PRACTICAL EXAMINATION**

**Paper: CC2-4-P**

**Full Marks: 30**

*The figures in the margin indicate the full marks.*

1. Identify with reasons (*at least two*) the following meiotic stages marked 'A', 'B' and 'C' obtained from a squash preparation from Grasshopper testis lobes.

**(1+2) x 3=9**

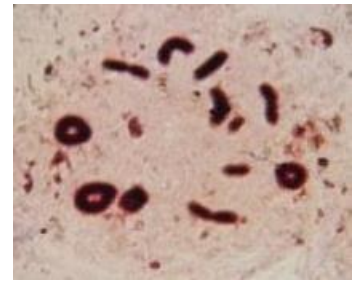
**A**



**B**



**C**



2. Write the Principle and Procedure of the Feulgen reaction for staining DNA.

**3+5= 8**

3. Draw and label Barr Body prepared from Buccal smear.

**3+2=5**

4. Write down the Principle and Procedure of Trypan Blue staining for cell viability assay.

**3+5= 8**